MR.RAMY MURAD

2nd PRIMARY 2021

FIRST TERM

ZAD

Math for life!

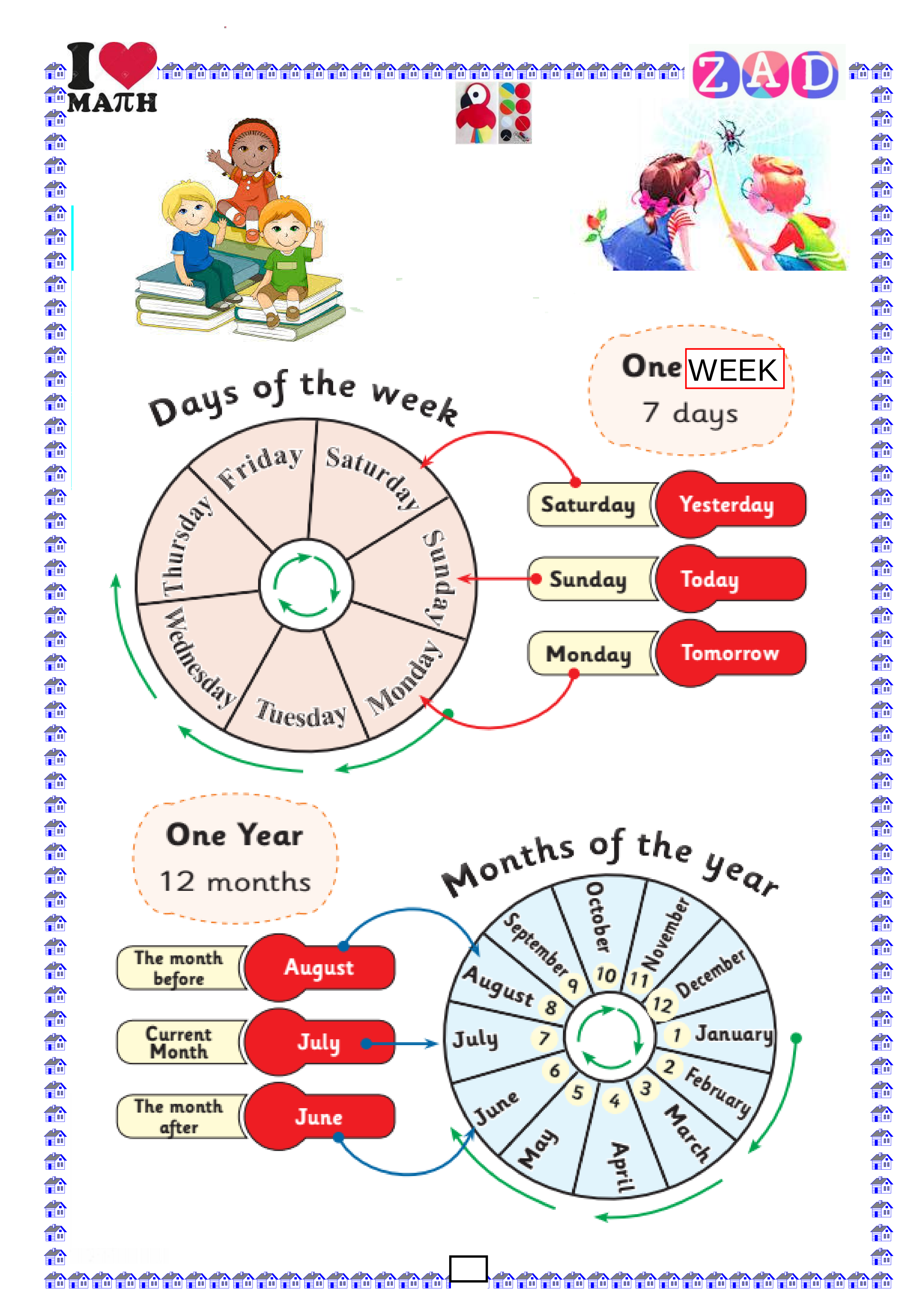


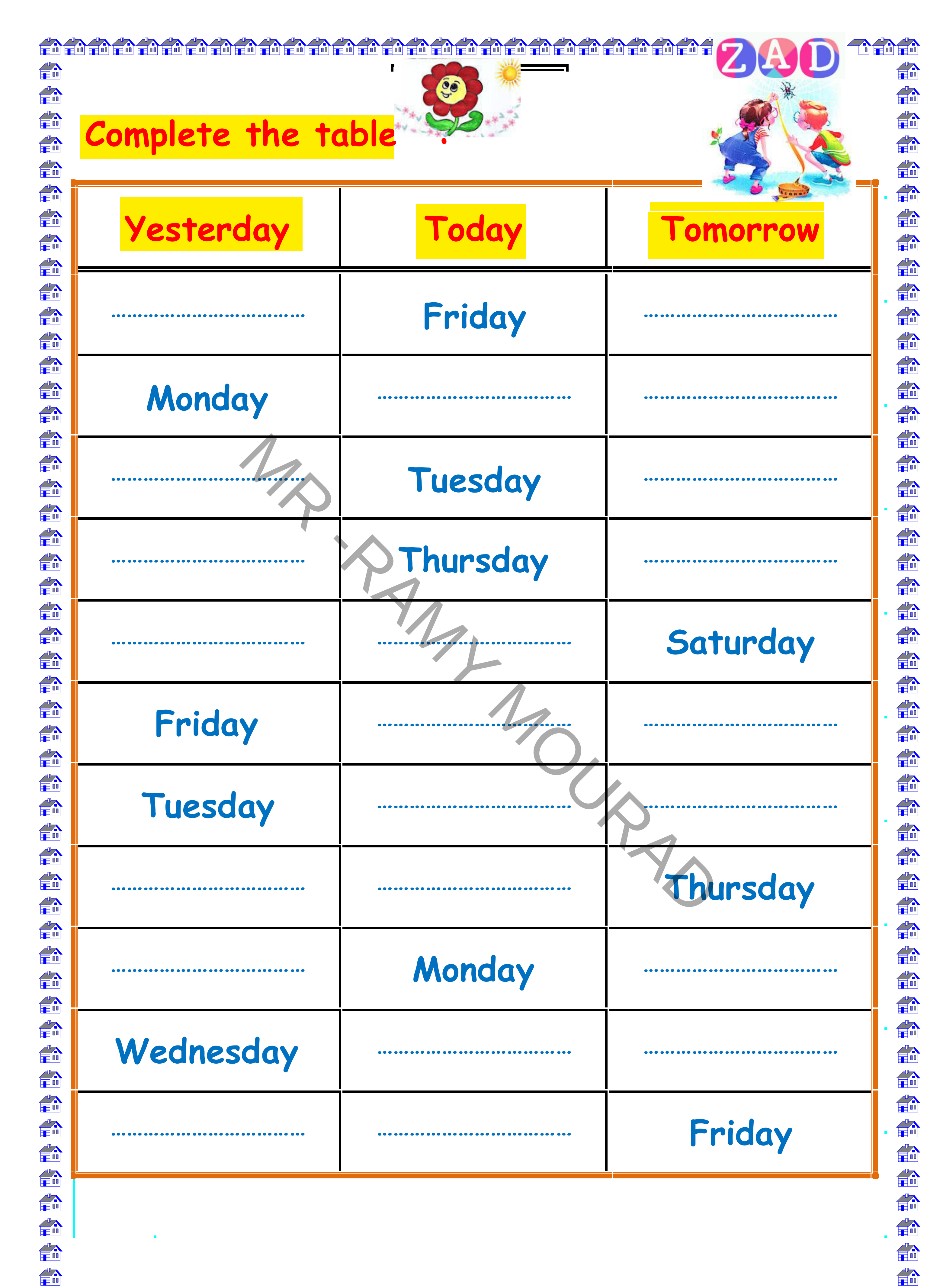
ZAD IN MATHS

YOUR WAY TO SUCCESS AND AHIGH SCORE

01000463424

01113497191


I MATH
ZAD
Days of the week
One WEEK
7 days
Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
Saturday
Yesterday
Sunday
Today
Monday
Tomorrow
One Year
12 months
Months of the year
The month before
August
Current Month
July
The month after
June
January 1
February 2
March 3
April 4
May 5
June 6
July 7
August 8
September 9
October 10
November 11
December 12



Complete the table

Yesterday	Today	Tomorrow
....	Friday	....
Monday	....	....
....	Tuesday	....
....	Thursday	....
....	....	Saturday
Friday	....	....
Tuesday	....	....
....	....	Thursday
....	Monday	....
Wednesday	....	....
....	....	Friday

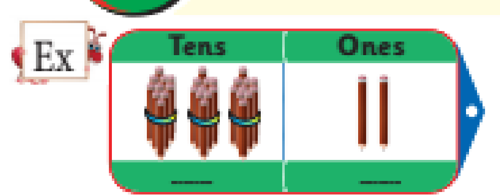
January	....	....
February	....	....
March	....	....
April	....	....
May	....	....
June	....	....
July	....	....
August	....	....
September	....	....
October	....	....
November	....	....
December	....	....



revision on what was studied before

Ones , tens - Place value

1 Guess the tens and the ones as EX :



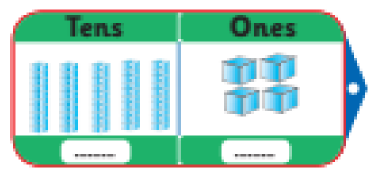
Number of tens is 3
Number of ones is 2
The number is 32



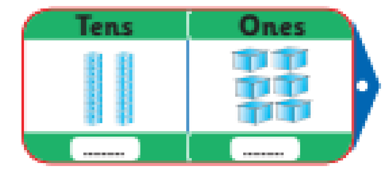
Number of tens is ......
Number of ones is ......
The number is ......



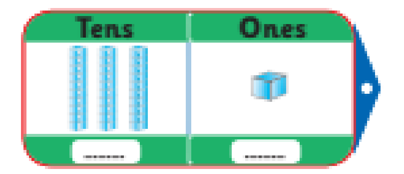
Number of tens is ......
Number of ones is ......
The number is ......



Number of tens is ......
Number of ones is ......
The number is ......

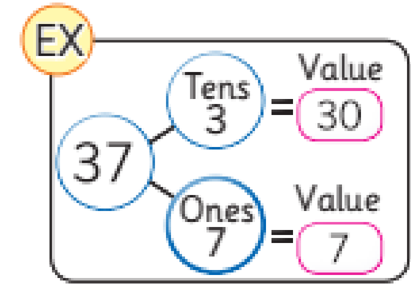


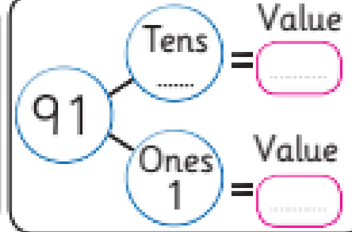
Number of tens is ......
Number of ones is ......
The number is ......

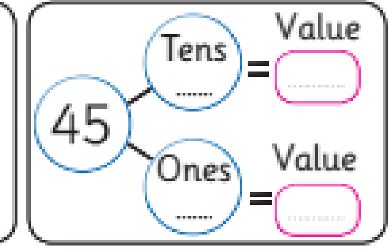


Number of tens is ......
Number of ones is ......
The number is ......

2 Complete as EX :

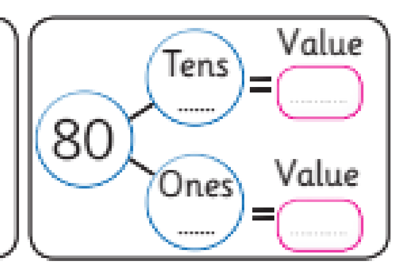


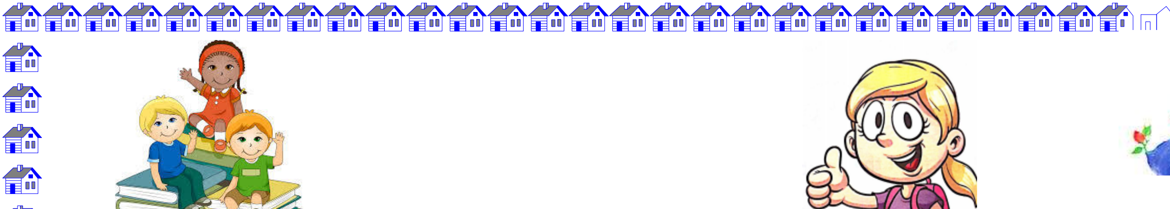




8
Tens ...... Value = ...
Ones ...... Value = ...

26
Tens ...... Value = ...
Ones ...... Value = ...

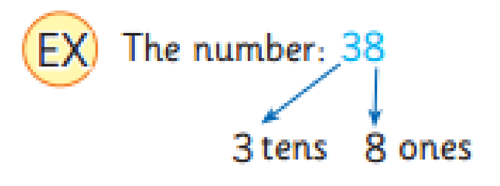


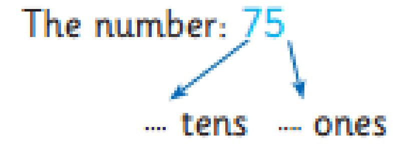


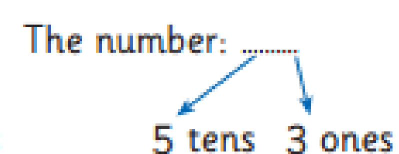


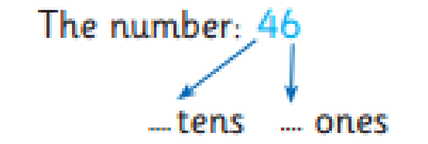


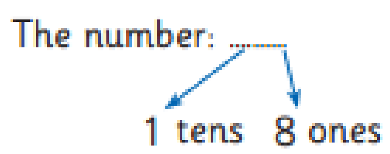
3 Complete as EX :

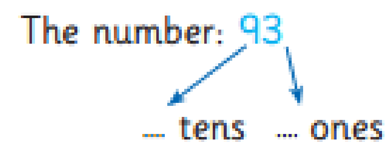








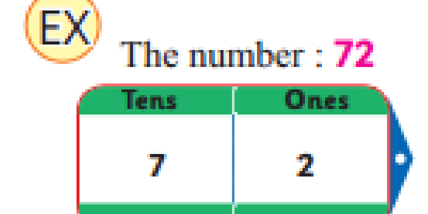






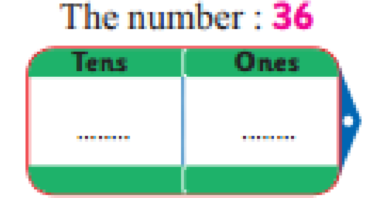
4 Complete as EX :

EX



The number : **72**

Tens	Ones
7	2



The number : **36**

Tens	Ones
....	....

The number : **48**

Tens	Ones
....	....

The number : **17**

Tens	Ones
....	....

The number : **60**

Tens	Ones
....	....

The number : **51**

Tens	Ones
....	....

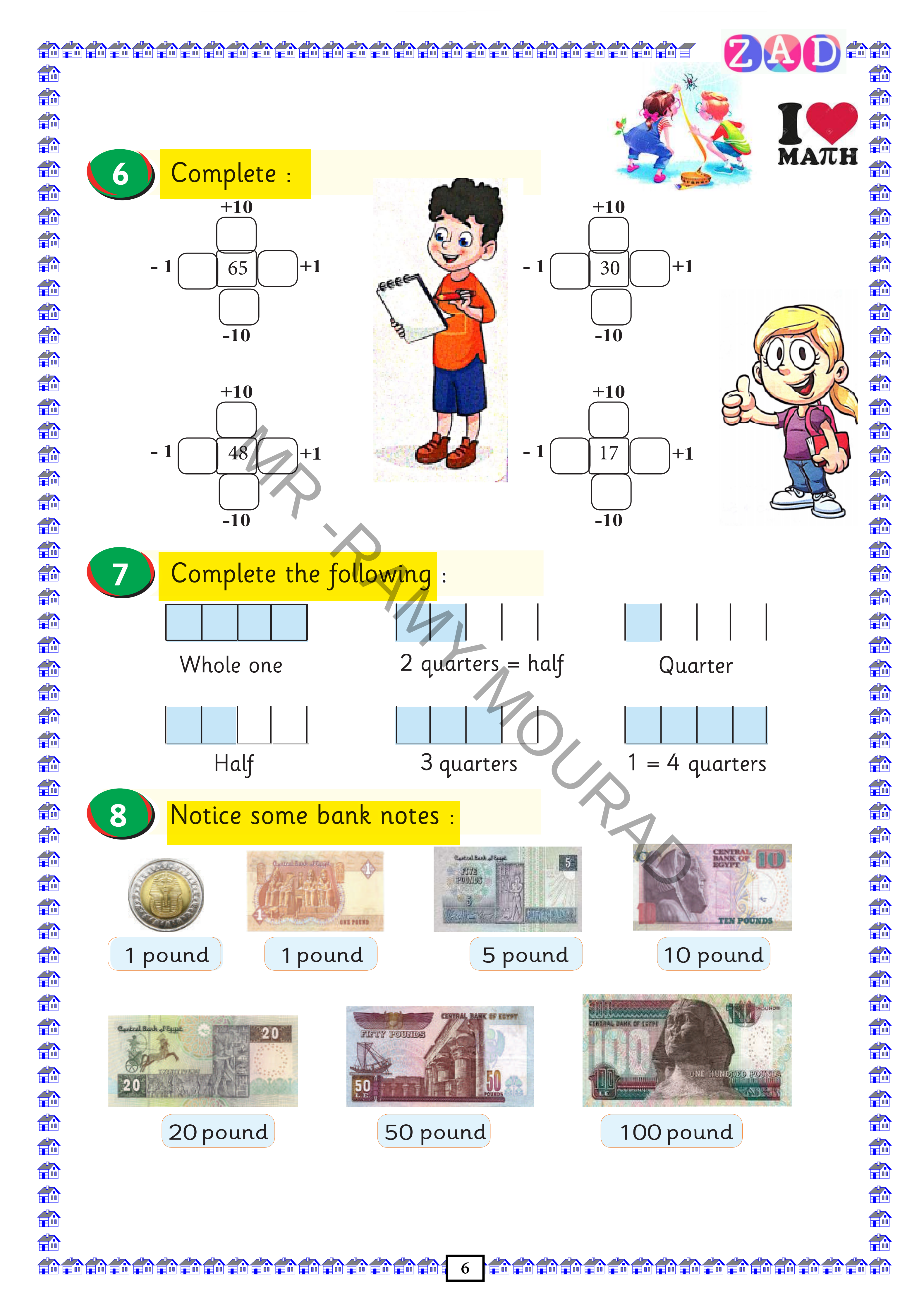
5 Complete as EX :

(a) 85 ones = 80 ones , 5 ones = 8 tens , 5 ones = 85

(b) 19 ones = ... ones , ... ones = ... tens , ... ones = ...

(c) 47 ones = ... ones , ... ones = ... tens , ... ones = ...

(d) 60 ones = ... ones , ... ones = ... tens , ... ones = ...



6 Complete :

	+10	
- 1	65	+1
	-10	

	+10	
- 1	30	+1
	-10	

	+10	
- 1	48	+1
	-10	

	+10	
- 1	17	+1
	-10	

7 Complete the following :

Whole one

2 quarters = half

Quarter

Half

3 quarters

1 = 4 quarters

8 Notice some bank notes :

1 pound

1 pound

5 pound

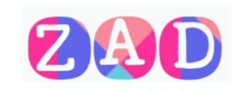
10 pound

20 pound

50 pound

100 pound

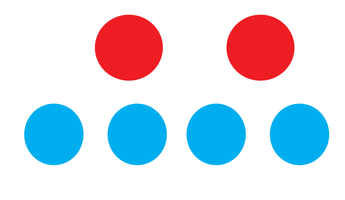
I ❤ MAπH

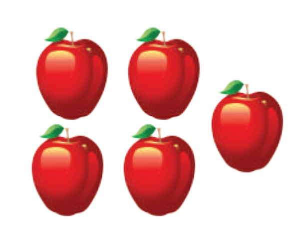


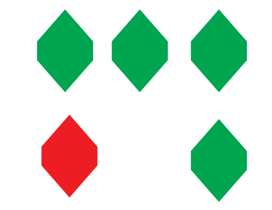




1 Colour according to the number :







2 Find the result of the following :

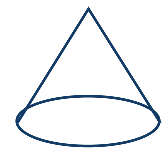
60 +20 ———	50 -30 ———	66 + 11 ———	40 + 10 ———	76 - 15 ———	80 40 ——— ....

3 Complete in the same pattern :

(a) 77 , 67 , 57 , ... , ... , ...

(b) 10 , 20 , ... , 40 , ... , ...

4 Write the name :





....

5 Complete the missing number :

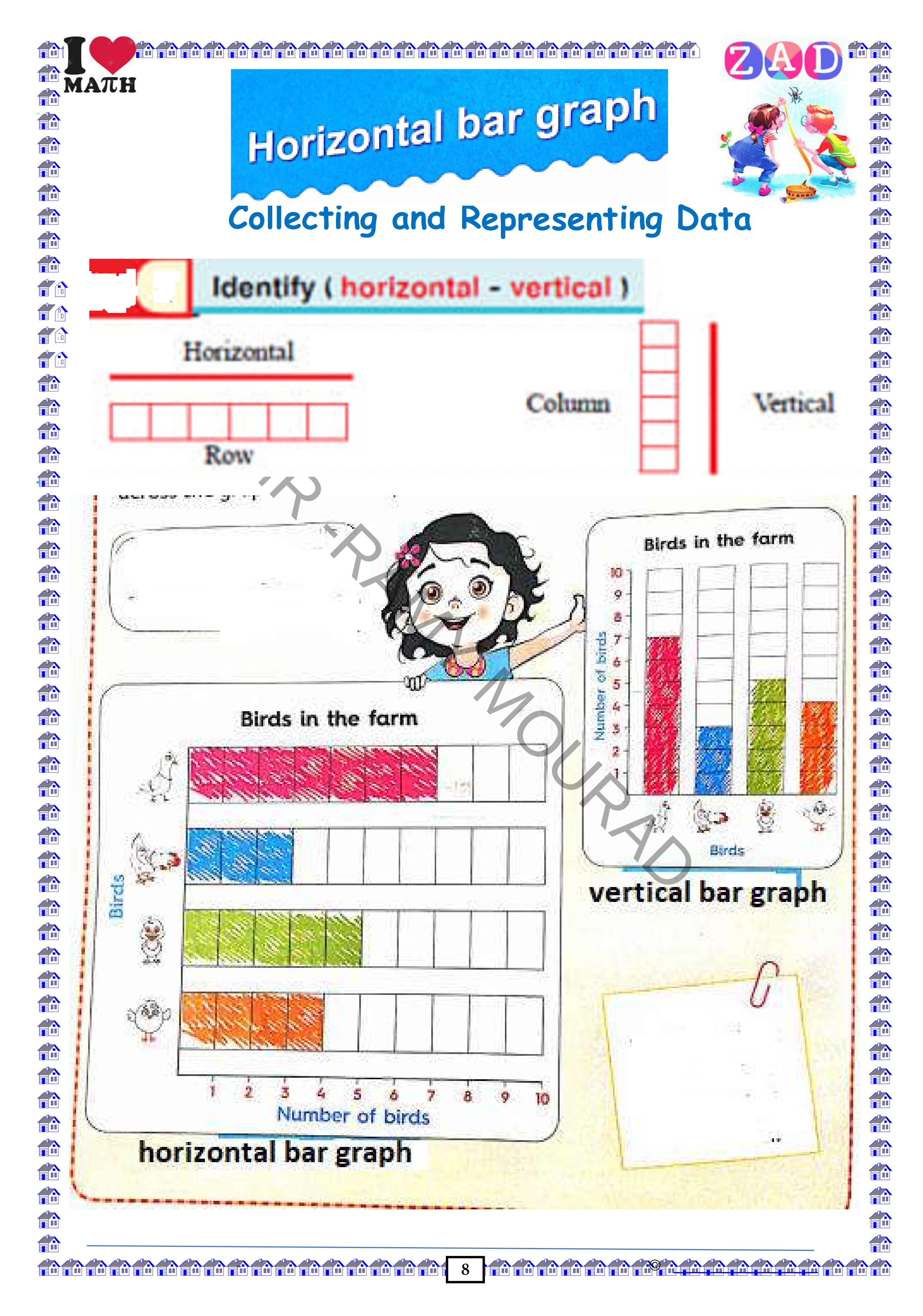
(a) 15 – .... = 3

(b) 8 + ... = 16



(c) .... + 10 = 50

(d) 70 – 40 = ...


I ♥ MATH
ZAD
Horizontal bar graph
Collecting and Representing Data
Identify (horizontal - vertical)
Horizontal
Row
Column
Vertical
Birds in the farm
Number of birds
Birds
1 2 3 4 5 6 7 8 9 10
vertical bar graph
Birds in the farm
Birds
1 2 3 4 5 6 7 8 9 10
Number of birds
horizontal bar graph
8

Favorite Fruit

NUMBER OF STUDENTS

0 1 2 3 4 5 6 7 8 9 10

Write the following questions about the graph data on the board or on chart paper:

1. How many more people liked strawberries than pears?
2. How many people all together liked kiwi, apples, and oranges?
3. How many more people liked strawberries than oranges?
4. How many people liked apples, bananas, and pears?
5. How many people in total shared which fruit they liked best?

ZAD

I ♥ MATH

Directions: Look at the Pick A Flower pictograph and then answer the questions below.

Pick a Flower

MONDAY	
TUESDAY	
WEDNESDAY	
THURSDAY	
FRIDAY	

KEY
= 1 flower
= 2 flowers

1. How many flowers were picked on Monday? ___________

2. How many flowers were picked on Thursday? ___________

3. Did any two days have the same number of flowers picked? ___________

4. How many flowers were picked on Monday and Tuesday? ___________

5. Which day had the least number of flowers picked? ___________

6. Which day had the most number of flowers picked? ___________

7. How many more flowers were picked on Thursday than Wednesday? ___________

8. How many flowers were picked on Monday, Tuesday, and Wednesday? ___________







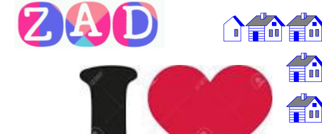


Directions: Use the data from the Pick a Flower Pictograph to create a bar graph.

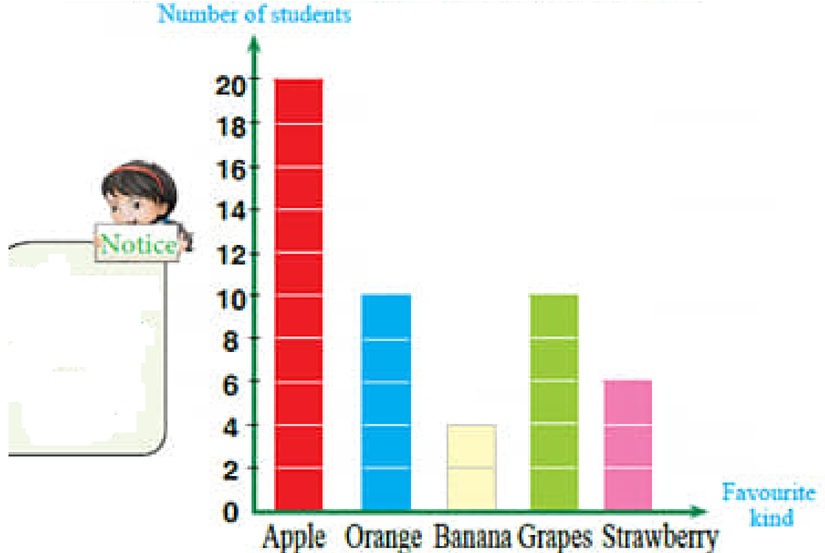
Graph elements:

- ☐ Title
- ☐ Horizontal label
- ☐ Vertical label
- ☐ Scale
- ☑ Categories labeled
- ☐ Colorful bars

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY







om the previous graph . Answer the following :

a) Number of pupils who prefer apple ?

Number of Pupils = ...

b) What is the least prefered fruit and how many pupils prefer it ?

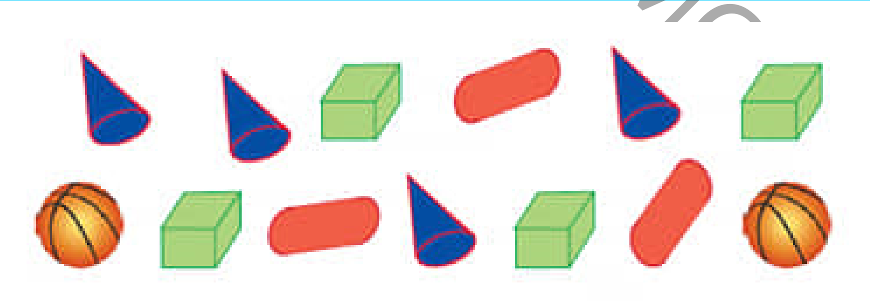
Name of fruit = ... , No. Pupils who prefer it = ...

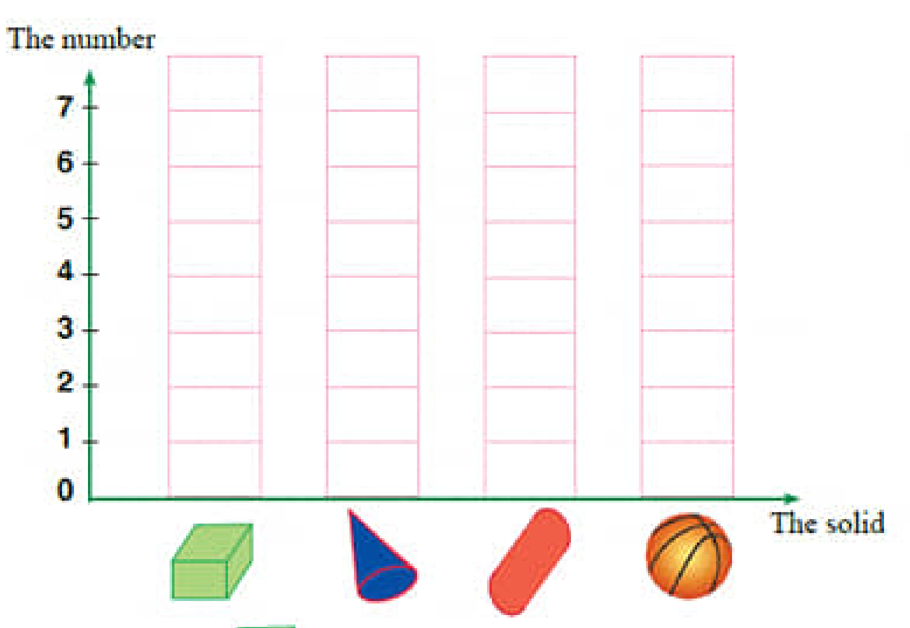
c) How many pupils who prefer orange and who prefer strawberry ?

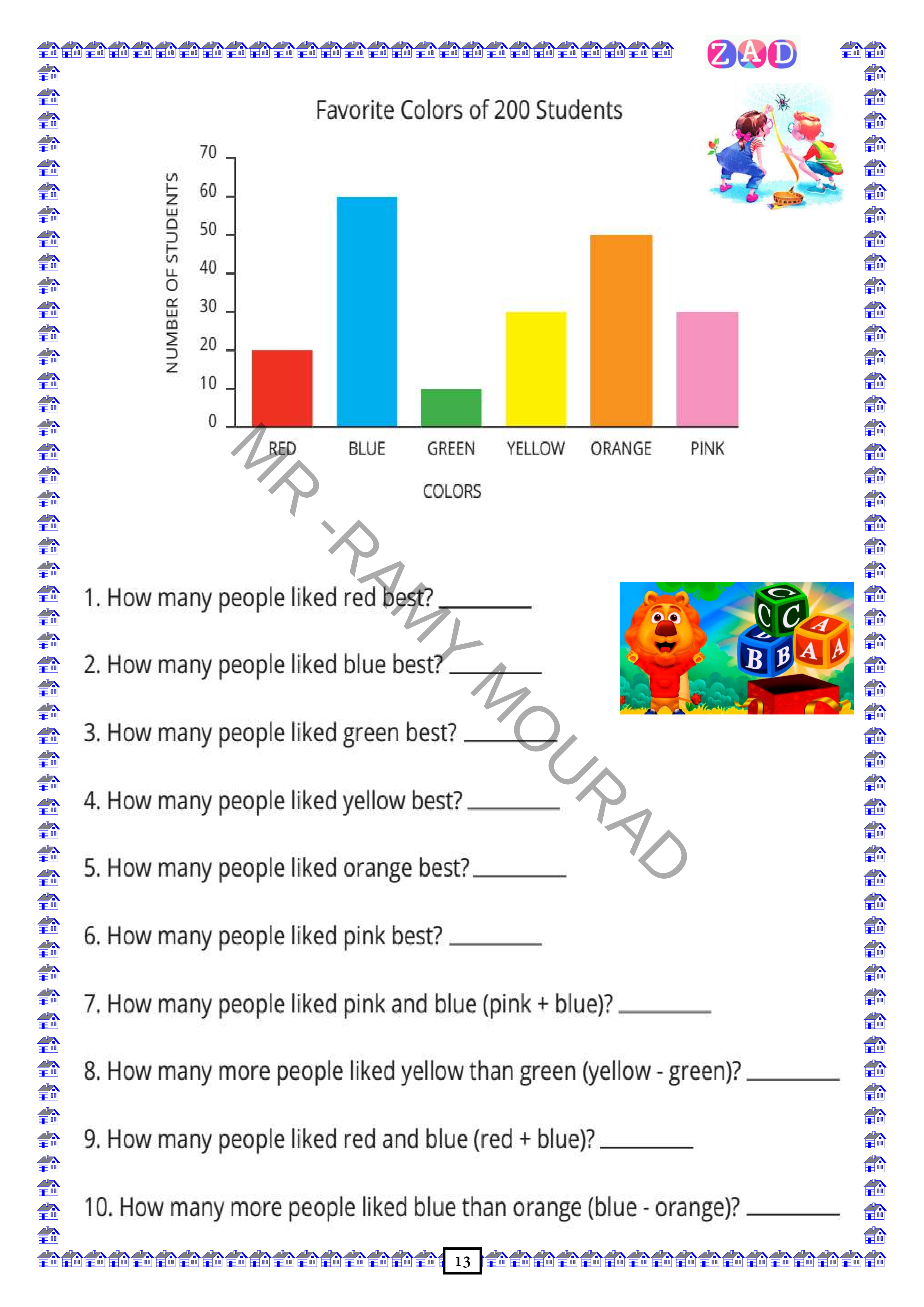
Number of Pupils = ... + ... = ...

d) What is the difference between No. Pupils who prefer grapes and Number. Pupils who prefer banana ?

Number of People = ... - .... = ...







1. How many people liked red best? __________

2. How many people liked blue best? __________

3. How many people liked green best? __________

4. How many people liked yellow best? __________

5. How many people liked orange best? __________

6. How many people liked pink best? __________

7. How many people liked pink and blue (pink + blue)? __________

8. How many more people liked yellow than green (yellow - green)? __________

9. How many people liked red and blue (red + blue)? __________

10. How many more people liked blue than orange (blue - orange)? __________





1 Read the table.

Our favorite activity	
Type	Number
Art	4
Sports	7
Music	5
Reading	10



Shade in the graph to show the same data



Use the graph to answer the questions.

- Which activity is the most favorite ? ....
- Which activity is the fewest favorite ? ....

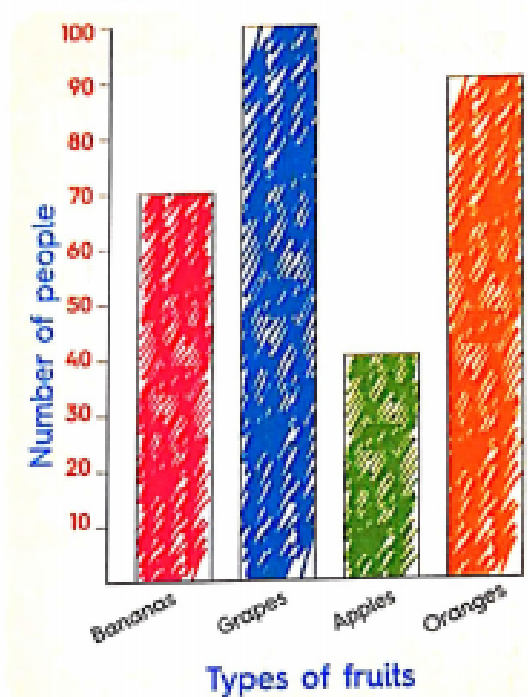
Use the bar graph to answer the questions.

- How many people liked bananas best ? ....
- How many people liked oranges best ? ....
- Which fruit is liked the least ? ....
- Which fruit is liked the most ? ....
- How many people in all liked grapes and apples ?

....

- How many more people liked oranges than bananas ?

....



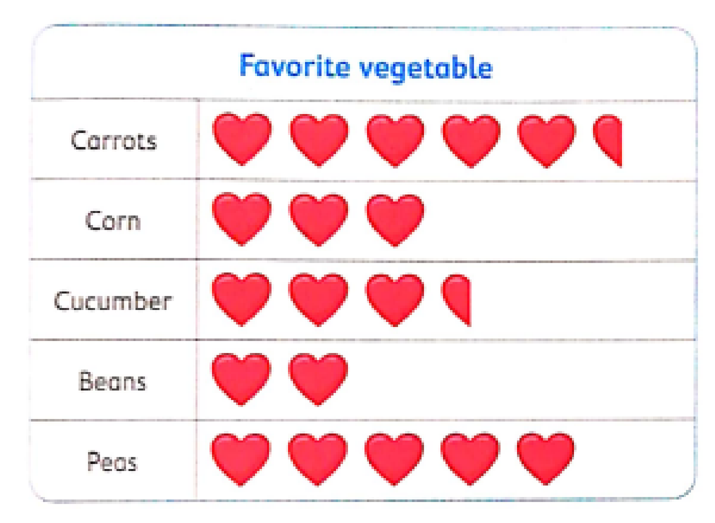


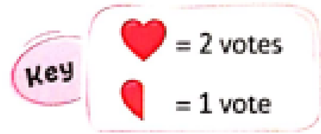
Pictograph

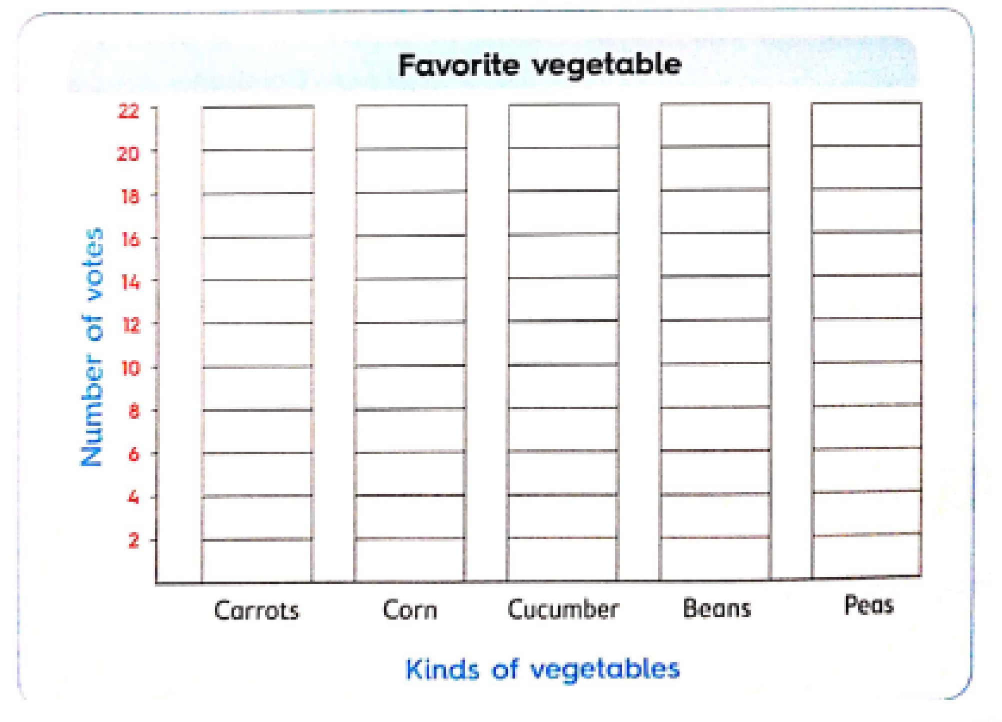




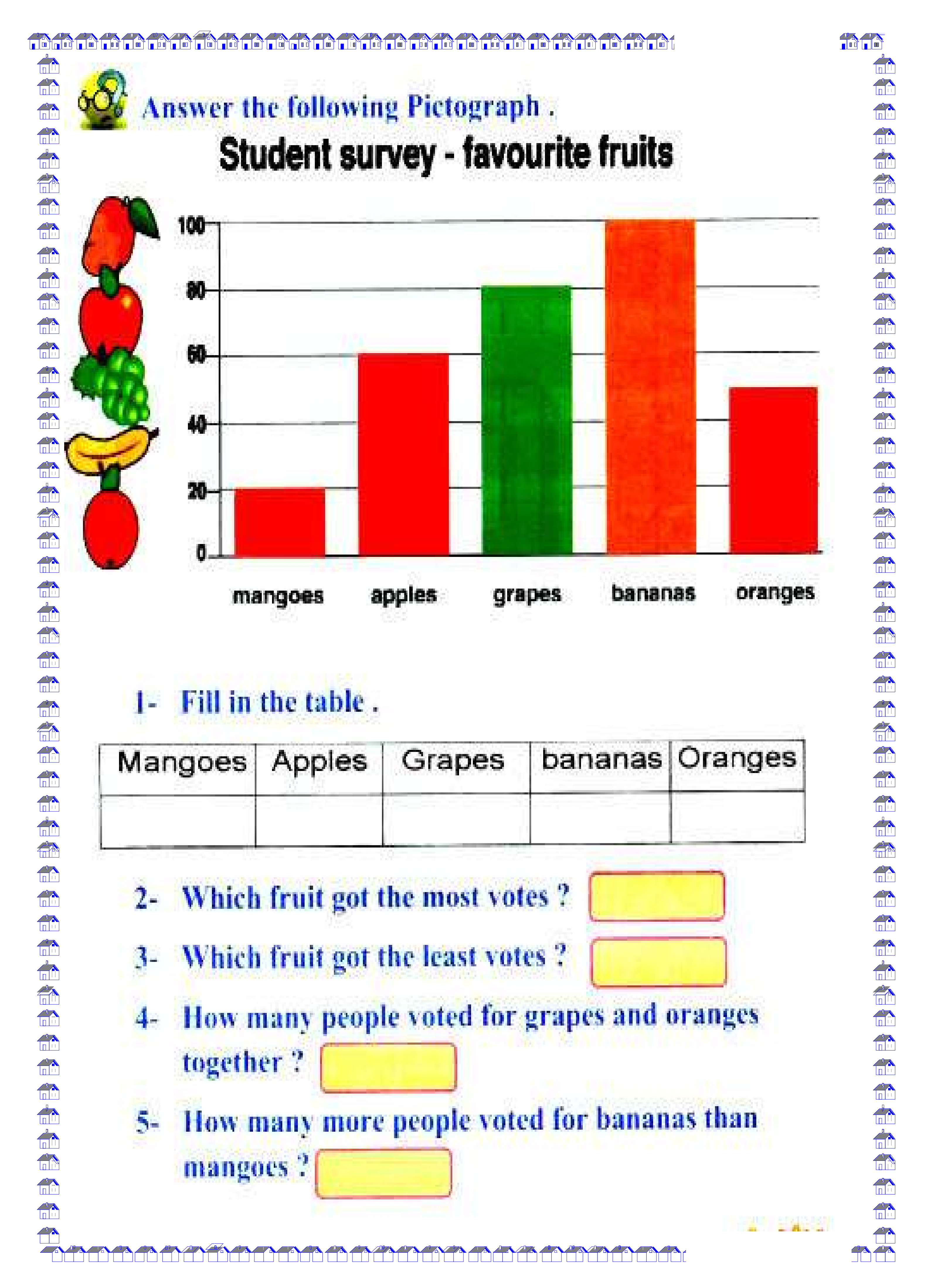
Convert the same information from the pictograph into a bar graph.











Answer the following Pictograph .

Student survey - favourite fruits

1- Fill in the table .

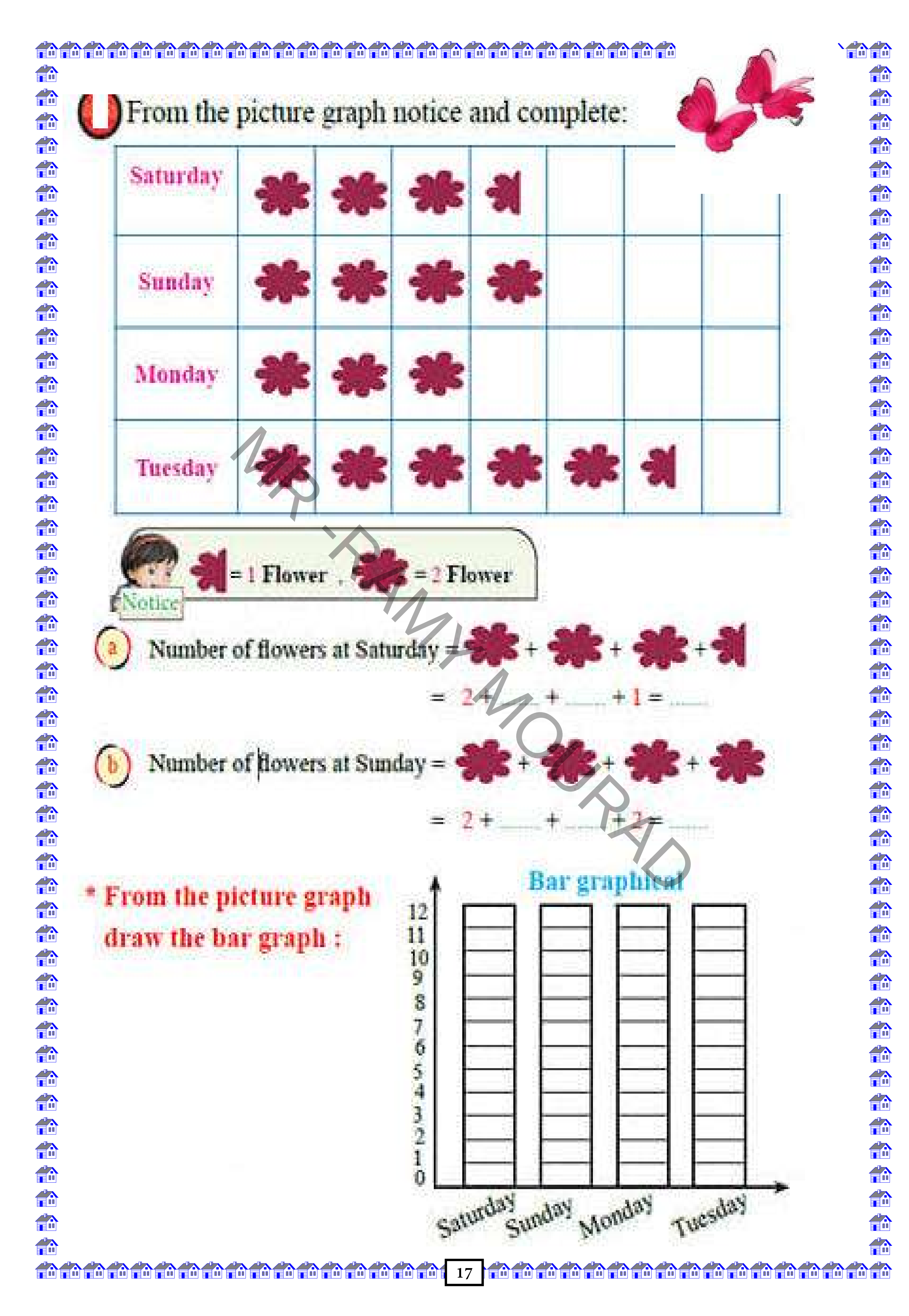
Mangoes	Apples	Grapes	bananas	Oranges

2- Which fruit got the most votes ?

3- Which fruit got the least votes ?

4- How many people voted for grapes and oranges together ?

5- How many more people voted for bananas than mangoes ?



1 From the picture graph notice and complete:

Saturday							
Sunday							
Monday							
Tuesday							

Notice: = 1 Flower , = 2 Flower

(a) Number of flowers at Saturday = + + +

= 2 + ... + ... + 1 = ...

(b) Number of flowers at Sunday = + + +

= 2 + ... + ... + 2 = ...

* From the picture graph draw the bar graph :





I ♥ MAπH

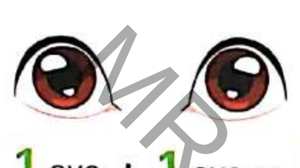


CHAPTER 2



Doubles - Doubles plus one

a double.



1 eye + 1 eye = 2 eyes




6 crayons + 6 crayons = 12 crayons



2 legs + 2 legs = 4 legs

May

Mo	Tu	We	Th	Fr	Sa	Su
~~1~~	~~2~~	~~3~~	~~4~~	~~5~~	~~6~~	~~7~~
~~8~~	~~9~~	~~10~~	~~11~~	~~12~~	~~13~~	~~14~~
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

7 days + 7 days = 14 days




3 flowers + 3 flowers = 6 flowers




8 pieces + 8 pieces = 16 pieces



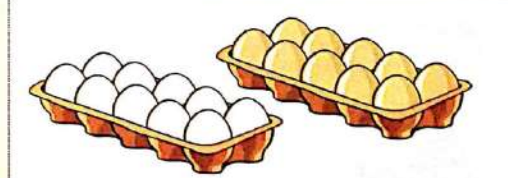
4 legs + 4 legs = 8 legs



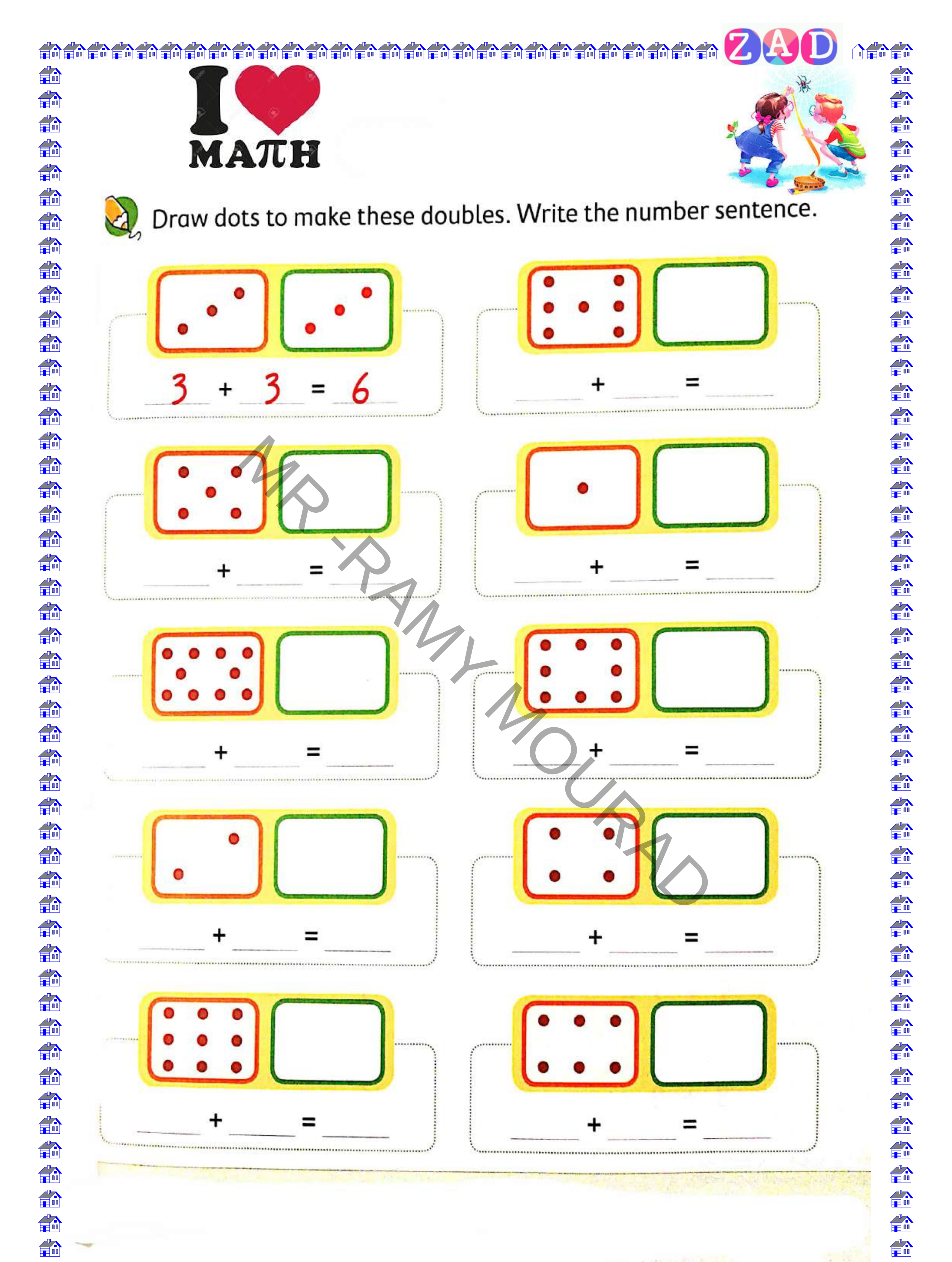

9 books + 9 books = 18 books

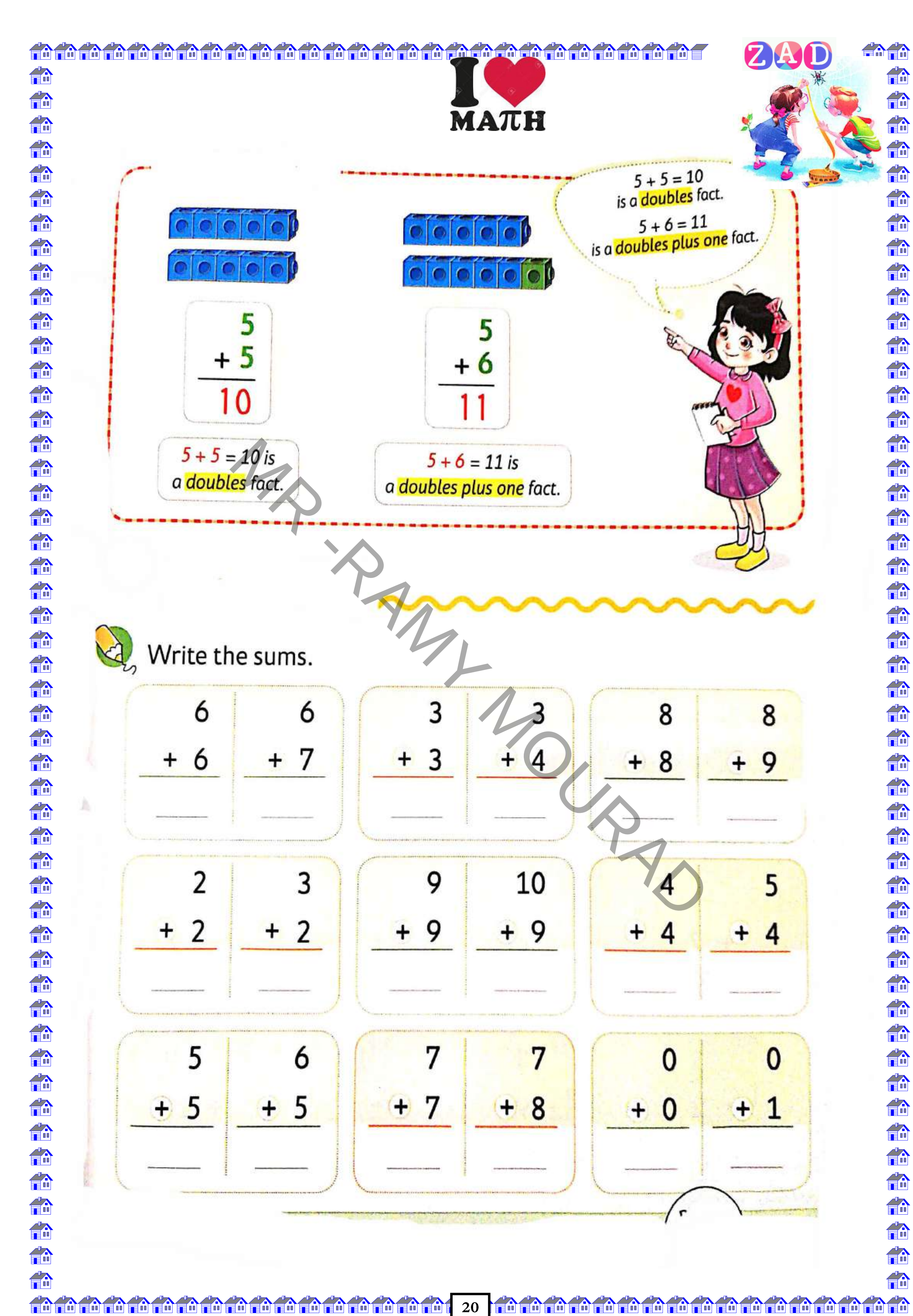


5 fingers + 5 fingers = 10 fingers



10 eggs + 10 eggs = 20 eggs


ZAD
I ♥ MAπH
Draw dots to make these doubles. Write the number sentence.
3 + 3 = 6
+ =
+ =
+ =
+ =
+ =
+ =
+ =
+ =
+ =
MR -RAMY MOURAD



Write the sums.

6 + 6 = ___	6 + 7 = ___	3 + 3 = ___	3 + 4 = ___	8 + 8 = ___	8 + 9 = ___
2 + 2 = ___	3 + 2 = ___	9 + 9 = ___	10 + 9 = ___	4 + 4 = ___	5 + 4 = ___
5 + 5 = ___	6 + 5 = ___	7 + 7 = ___	7 + 8 = ___	0 + 0 = ___	0 + 1 = ___







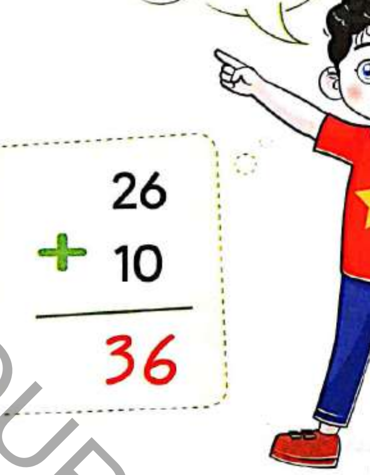


Add 26 + 10

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

To 31

Start at **26** and count **10** forward, you will reach **36**. You moved down one row.





Use the numbers chart to add.

12 + 10 = ____	47 + 10 = ____	29 + 10 = ____
30 + 10 = ____	7 + 10 = ____	11 + 10 = ____







Subtract 26 - 10

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

To 20

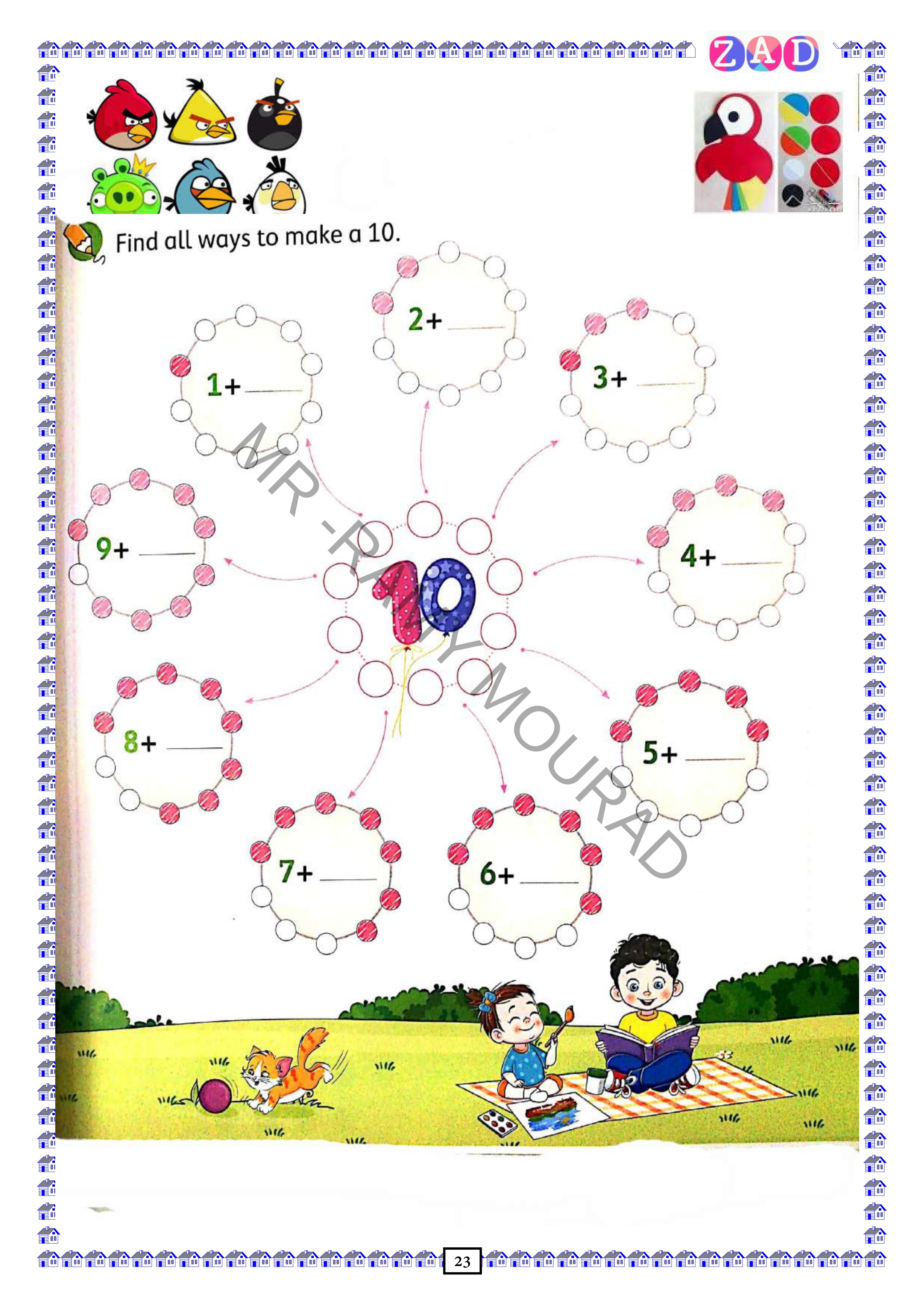
Start at **26** and count **10** backward, you will reach **16**.
You moved up one row.





Use the numbers chart to subtract.

15 – 10 = ______	20 – 10 = ______	18 – 10 = ______
44 – 10 = ______	31 – 10 = ______	39 – 10 = ______


ZAD
Find all ways to make a 10.
10
1+ ____
2+ ____
3+ ____
4+ ____
5+ ____
6+ ____
7+ ____
8+ ____
9+ ____
MR -RAMY MOURAD
23



Make a 10 to add and subtract



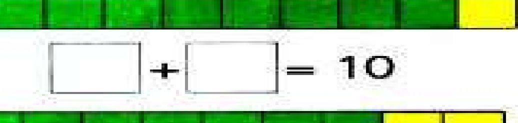
Complete:

0 + ☐ = 10	1 + ☐ = 10	2 + ☐ = 10
2 + ☐ = 10	☐ + 0 = 10	☐ + 4 = 10
3 + ☐ = 10	☐ + 10 = 10	8 + ☐ = 10
☐ + 2 = 10	4 + ☐ = 10	6 + ☐ = 10
☐ + 3 = 10	5 + ☐ = 10	7 + ☐ = 10

Can you complete these number sentences using number bonds to 10 ?

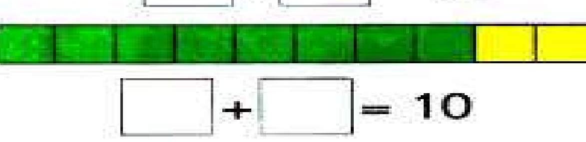
7 + 3 = 10

Can you write a matching number sentence below each stick .



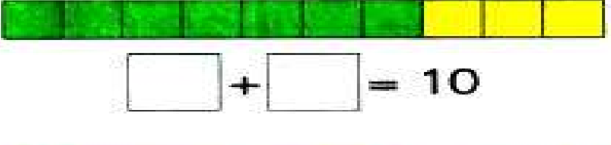
☐ + ☐ = 10

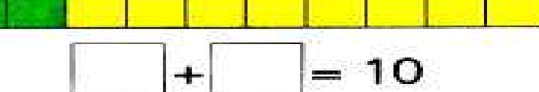
☐ + ☐ = 10

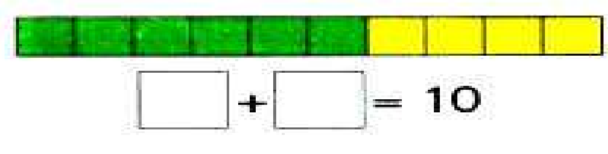


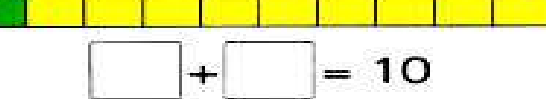
☐ + ☐ = 10

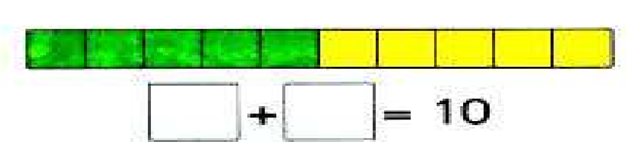
☐ + ☐ = 10

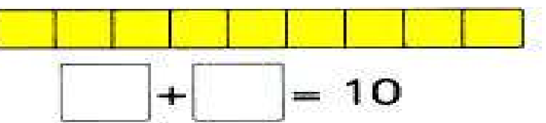


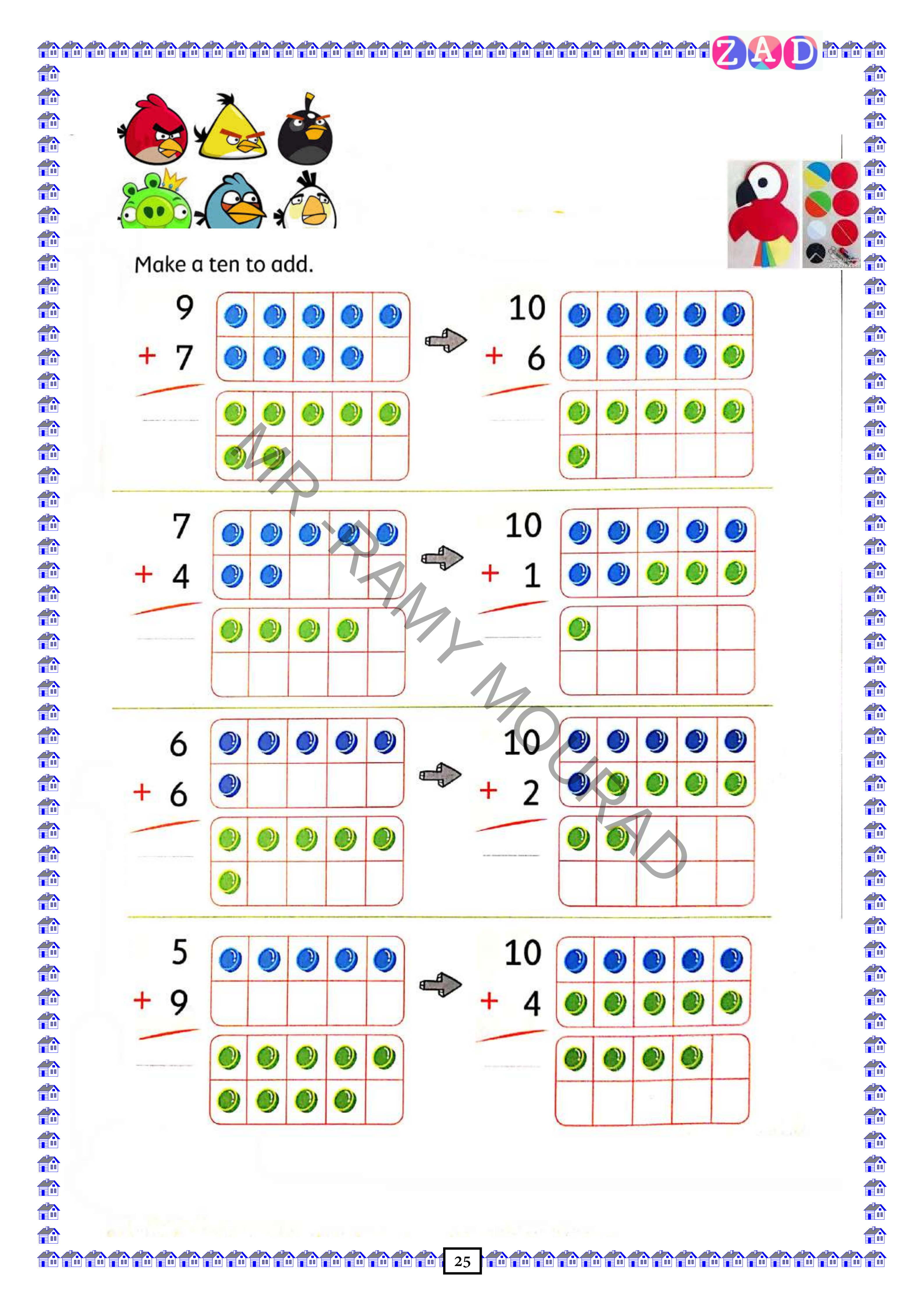












Make a ten to add.

9 + 7 = ____ → 10 + 6 = ____

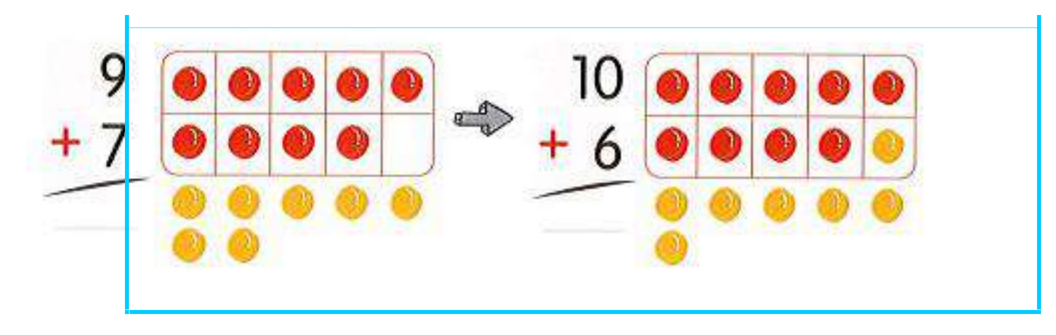
7 + 4 = ____ → 10 + 1 = ____

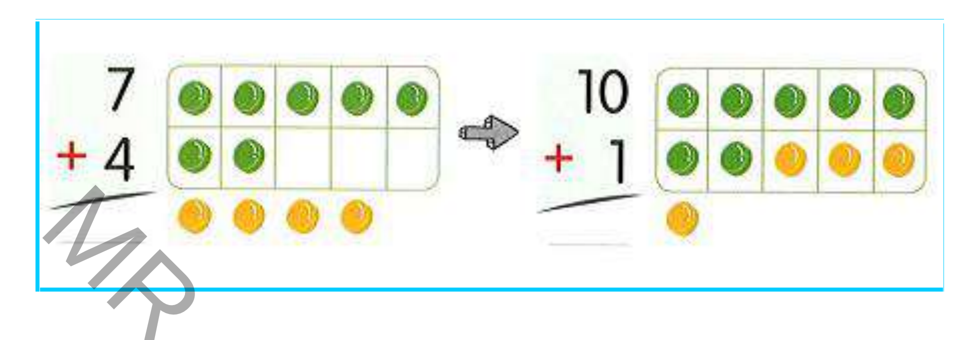
6 + 6 = ____ → 10 + 2 = ____

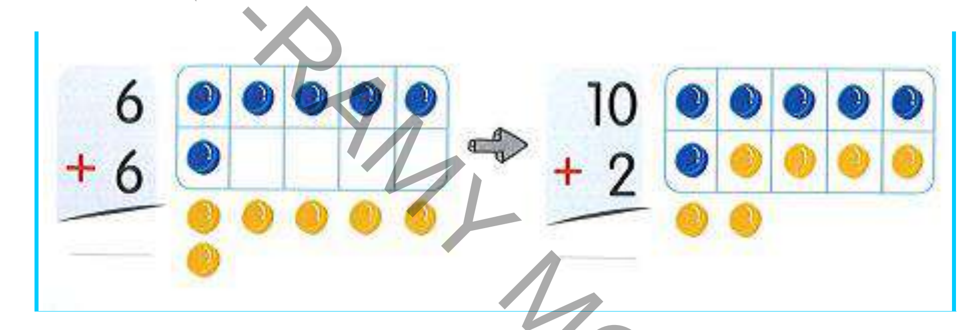
5 + 9 = ____ → 10 + 4 = ____



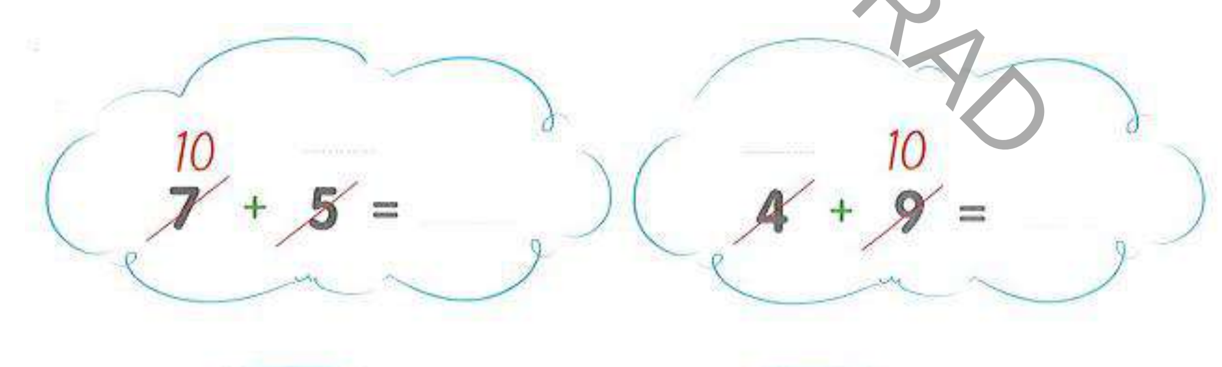
Make ten to add:

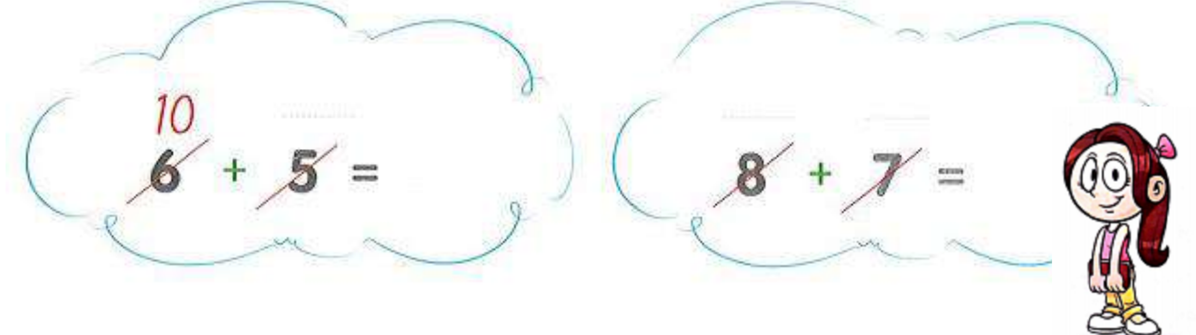






Make ten to add:











Make ten to add:

8 + 6
8 + 2+ ...4
10 + ...4...
.....14....

9+ 4
9+ 1+ ....
10 + ...
....

7 + 5
7 + 3+ ...
10 + ...
....

6+ 5
6+ ......+ ....
10 + ...
....

8+ 7
8+ ......+ ....
10 + ...
....

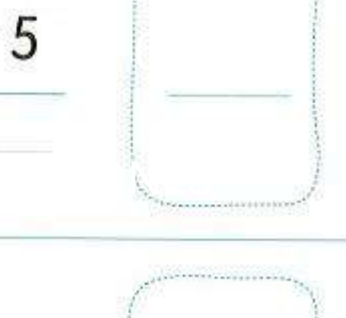
9+ 5
9+ ......+ ....
10 + ...
....

7+ 6
7+ ......+ ....
10 + ...
....

9+ 7
9+ ......+ ....
10 + ...
....



Make ten to add:



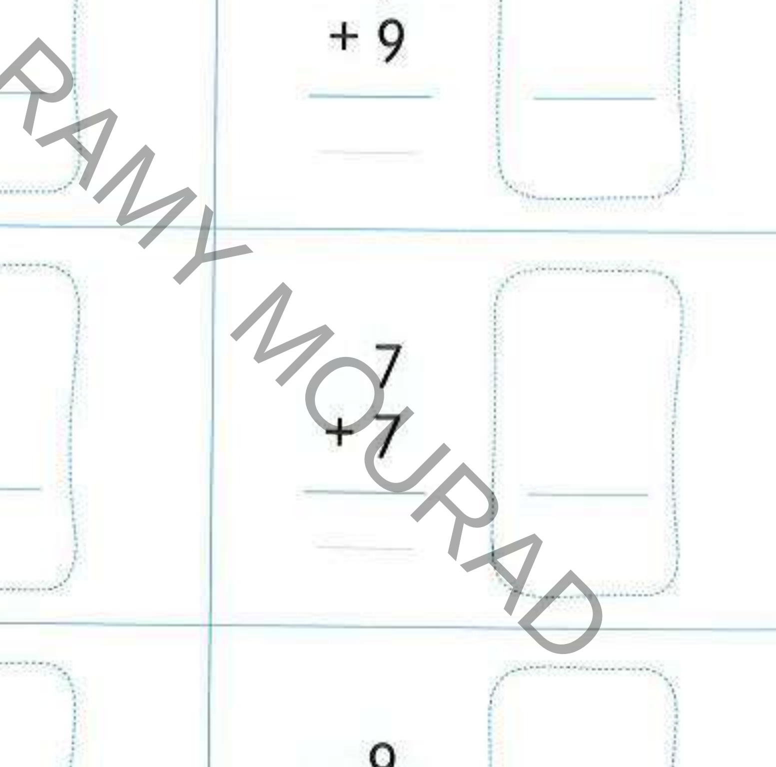
$$\begin{array}{r} 9 \\ +\ 3 \\ \hline 12 \end{array} \qquad \begin{array}{r} 10 \\ +\ 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 7 \\ +\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +\ 9 \\ \hline \end{array}$$





$$\begin{array}{r} 4 \\ +\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +\ 8 \\ \hline \end{array}$$



Make a 10 to subtract

Find the difference of 14 – 6

14 – 6

4 — Make a ten

2 — Subtract the rest

14 – (4) = 10 and 10 – (2) = 8

So, 14 – 6 = 8



Make a ten to subtract. The first one is done for you.

16 – 7

6 1

16 – 6 = 10 and 10 – 1 = 9

So, 16 – 7 = 9

13 – 5

13 – ____ = ____ and ____ – ____ = ____

So, 13 – 5 = ____

15 – 9

15 – ____ = ____ and ____ – ____ = ____

So, 15 – 9 = ____

17 – 9

17 – ____ = ____ and ____ – ____ = ____

So, 17 – 9 = ____



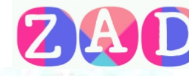
subtraction

ﬀ



Directions: Use the Making Tens mental math strategy to solve these problems.

1.	5 + 6	5 + ______ = 10	So, 5 + 6 = ______
2.	7 + 4	7 + ______ = 10	So, 7 + 4 = ______
3.	8 + 5	8 + ______ = 10	So, 8 + 5 = ______
4.	13 – 3	13 – ______ = 10	So, 13 – 3 = ______
5.	12 – 5	12 – ______ = 10	So, 12 – 5 = ______
6.	18 – 9	18 – ______ = 10	So, 18 – 9 = ______



make aten to subtract



17 - 9

17-7=10 and 10- 2=8

13-6=

13 - 3 = ... so 10 - ..... =........

---

14 -8 =

14 - ....= ...... so 10 - ...=......

---

12 -5 =

12 - ...= ..... so 10 -.... = ...

---

15 -9 =

15 -........=....so 10 -....=..........



Write the missing number.

15 + ◯ = 18

11 − ◯ = 4

13 + ◯ = 18

12 − ◯ = 5

8 + ◯ = 15

19 − ◯ = 12

◯ + 4 = 13

17 − ◯ = 17

9 + ◯ = 16

20 − ◯ = 9

...... - 7 = 12

.... - 5 = 8

.... - 8 = 10



the Doubles mental math strategy .

6 +7= 6 +6 +1 =12 +1 =13

7 + 8= 7 +...+....=14 +..=....

9 + 10 =......+......+.... =.....+.....=....

5 +6 =.........+......+.....=.....+.....=.....

8 + 9=.........+.......+.....=......+.....=....

4 +5 =.......+.........+.....=......+......=....;

3 +4 =......+.......+........=......+.......=....

10 +11 =....+......+.......=.......+......=....




Directions: Read the story problem. Use mental math strategies to find the answer. Then write a number sentence to show the problem.

1. Raja counted 7 ants crawling on the sidewalk. Then he found 3 more ants crawling. How many ants did Raja see in all?

_______ + _______ = _______

2. Miryam saw 8 birds flying in the sky. She also saw 4 birds sitting in a tree. How many birds did Miryam see in all?

_______ + _______ = _______

3. Mukhtar has 6 jelly beans in a jar. He has another 8 jelly beans in his pocket. How many jelly beans does Mukhtar have in all?

_______ + _______ = _______

4. Heba has 7 stickers. Her teacher gives her 9 more stickers. How many stickers does Heba have all together?

_______ + _______ = _______



Directions: Read the story problem. Use mental math strategies to find the answer. Then write a number sentence to show the problem.

1. Salma has 18 figs. She eats 10 figs.
   How many figs does Salma have left?

   ________ - ________ = ________

2. Ahmed gathers 15 rocks at the beach. He tosses 6 rocks into the water.

   How many rocks does Ahmed have left?

   ________ - ________ = ________

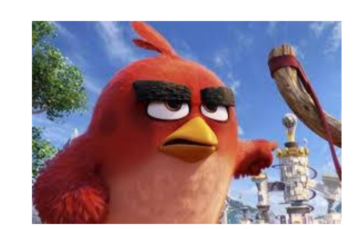
3. Mustafa has 16 candies. He ate 6 candies. How many candies does Mustafa have left?

   ________ - ________ = ________

4. Rashida bought 13 oranges. She gave 3 oranges to her father.

   How many oranges does she have now?

   ________ - ________ = ________







chapter 3
counting by hundreds



3-Digit Numbers

Write in words :

300 ....

700 ....

800 ....

620 ....

430 ....

540 ....

702 ....

907 ....

608 ....

412 ....

718 ....

311 ....

525 ....

924 ....

158 ....

999 ....

301 ....

310 ....

103 ....

130 ....





Write in digits :

Six hundred ... ...

Five hundred ... ...

Seven hundred ... ...

Nine hundred and twenty ... ...

Two hundred and thirty ... ...

Five hundred and sixty ... ...

Eight hundred and seven ... ...

Three hundred and two ... ...

Five hundred and six ... ...

Two hundred and sixteen ... ...

Three hundred and fourteen ... ...

Eight hundred and fifteen ... ...

Two hundred and twenty two ... ...

Three hundred and fifty one ... ...

Four hundred and sixty eight ... ...

Five hundred and five ... ...

Nine hundred and nineteen ... ...

Nine hundred and ninety nine ... ...

One hundred and one ... ...

One hundred and ten



Complete :-

1 tens + 9 tens = ... tens ...... + ... = ...	2 tens + 8 tens = ... tens ...... + ... = ...
3 ten + 7 tens = ... tens ...... + ... = ...	4 tens + 6 tens = ... tens ...... + ... = ...
5 tens + 5 tens = ... tens ...... + ... = ...	9 tens + 1 tens = ... tens ...... + ... = ...
8 tens + 2 tens = ... tens ...... + ... = ...	7 tens + 3 tens = ... tens ...... + ... = ...
... tens + ... tens = ... tens 30 + 70 = ...	... tens + ... tens = ... tens 20 + 80 = ...
... tens + ... tens = ... tens 50 + 50 = ...	... tens + ... tens = ... tens 60 + ... = 100
... tens + ... tens = ... tens 40 + ... = 100	9 tens + 1 tens = ... tens ...... + ... = ...
8 tens + ... tens = ... tens ...... + ... = 100	... tens + 3 tens = ... tens 70 + ... = 100
... tens + ... tens = ... tens ...... + 70 = 100	... tens + 7 tens = ... tens 30 + ... = ...

Complete :-

1 hundreds + 7 hundreds = ... hundreds .... + ... = ...
2 hundreds + 6 hundreds = ... hundreds .... + ... = ...
6 hundreds + 3 hundreds = ... hundreds .... + ... = ...





Complete in the same pattern :

100 ,	200 ,	300 ,	……… ,	……… ,	………
900 ,	800 ,	700 ,	……… ,	……… ,	………
600 ,	500 ,	400 ,	……… ,	……… ,	………
100 ,	300 ,	500 ,	……… ,	………	
0 ,	200 ,	400 ,	……… ,	………	
900 ,	700 ,	500 ,	……… ,	………	
800 ,	600 ,	400 ,	……… ,	………	
145 ,	146 ,	147 ,	……… ,	……… ,	………
296 ,	297 ,	298 ,	……… ,	……… ,	………
800 ,	799 ,	798 ,	……… ,	……… ,	………
306 ,	307 ,	308 ,	……… ,	……… ,	………
855 ,	845 ,	835 ,	……… ,	……… ,	………









EVALUATION 1



❶ *Complete :*

[a] 500 is read as ....

[b] .... is read as seven hundred.

[c] 4 tens + ... tens = 7 tens.

[d] 60 tens = ... hundreds.

---

❷ *Complete in the same pattern :*

[a] 200 , 300 , ... , ... , 600 , ...

[b] 800 , 700 , ... , ... , 400 , ...

[c] 900 , ... , 500 , 300 , ...

---

❸ *Complete :*

[a] 300 + 400 = ... = ... hundreds

[b] 500 – 200 = ... = ... hundreds

[c] .... hundreds = 80 tens = ...

[d] .... hundreds = 20 tens = ...

---

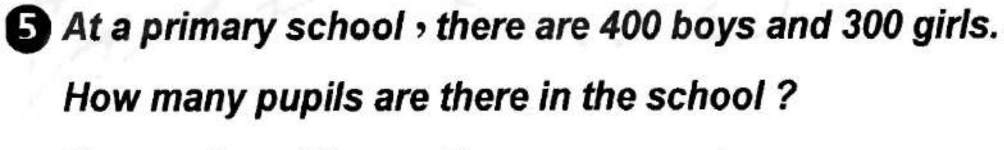
❹ *Put (<) , (=) or (>) :*

[a] 5 hundreds ☐ 50 tens

[b] 300 ☐ 6 tens

[c] 40 tens ☐ 6 hundreds

[d] 8 hundreds ☐ 700



❺ *At a primary school , there are 400 boys and 300 girls.*

How many pupils are there in the school ?

The number of the pupils = ... + ...

= .... pupils.





EVALUATION 2



1) Complete:

a) The number just after 99 is …………

b) 100 is read as ……….

c) 5 tens = ……….

d) 10 tens = ……….

e) The smallest 3 digit number is ……….

2) Complete :

a) 4 tens + 6 tens = ……… tens = ……….

b) ……..tens + 5tens = 10 tens

c) 2 hundreds + 5 hundreds = ……….. hundreds

d) 700 + 200 = ………

e) 300 + ……. = 800

3) Write the following numbers in letters:

a) 687 is read as

……

b) 509 is read as

……

C) 780 is read as

……

4) Write the following in digits:

a) Six hundred and twenty seven = ………….

b) Two hundred and eleven = ………….

c) Eight hundred and nine =………….

d) One hundred and sixty four =…………

5) Complete:



a) 99 , 100 , ….. , ……. , 103 , ……… , ……

b) 209 , 219 , …….. , 239 , ………, ……..

c) 351 , 451 , …….. , ……….. , …………

d) 996 , 995 , ……… , …….. , ………..



ones , Tens and Hundreds

Complete :

4 5 6 = ... hundreds + ... tens + ... ones

2 0 4 = ... hundreds + ... tens + ... ones

3 6 0 = ... hundreds + ... tens + ... ones

9 0 0 = ... hundreds + ... tens + ...

3 9 7 = ... hundreds + ... ones + ... tens

7 1 2 = ... tens + ... hundreds + ... ones

6 9 7 = ... tens + ... + ... hundreds

5 1 6 = ... ones + ... tens + ... hundreds

.... = 3 hundreds + 5 tens + 7 ones

.... = 4 hundreds + 0 ten + 8 ones

.... = 5 hundreds + 1 ten + 0 ones

.... = 2 hundreds + 8 tens + 2 ones

.... = 6 hundreds + 6 ones + 0 ten

.... = 1 ten + 7 hundreds + 0 ones

.... = 9 tens + 1 ones + 3 hundreds

.... = 7 ones + 0 ten + 5 hundreds

.... = 2 hundreds + 3 tens + 0 ones



Complete :

5 4 2 =……… + ………+ ………

4 5 9 =……… + ………+ ………

7 0 1 =……… + ………

6 4 0 =……… + ………

8 3 0 =……… + ………

4 5 6 = ……. + 50 + …….

4 6 5 = ……. + 60 + 5

5 8 9 = ……. + ……. + 9

2 9 6 = ……. + 90 + 6

7 4 1 = 700 + ……. + 1

9 3 7 = 7 + 30 + ………

…………… = 500 + 20 + 3

…………… = 200 + 70 + 9

…………… = 700 + 50

…………… = 700 + 5

…………… = 900 + 3

8 3 0 = ……. + 30

4 5 0 = ……. + 50

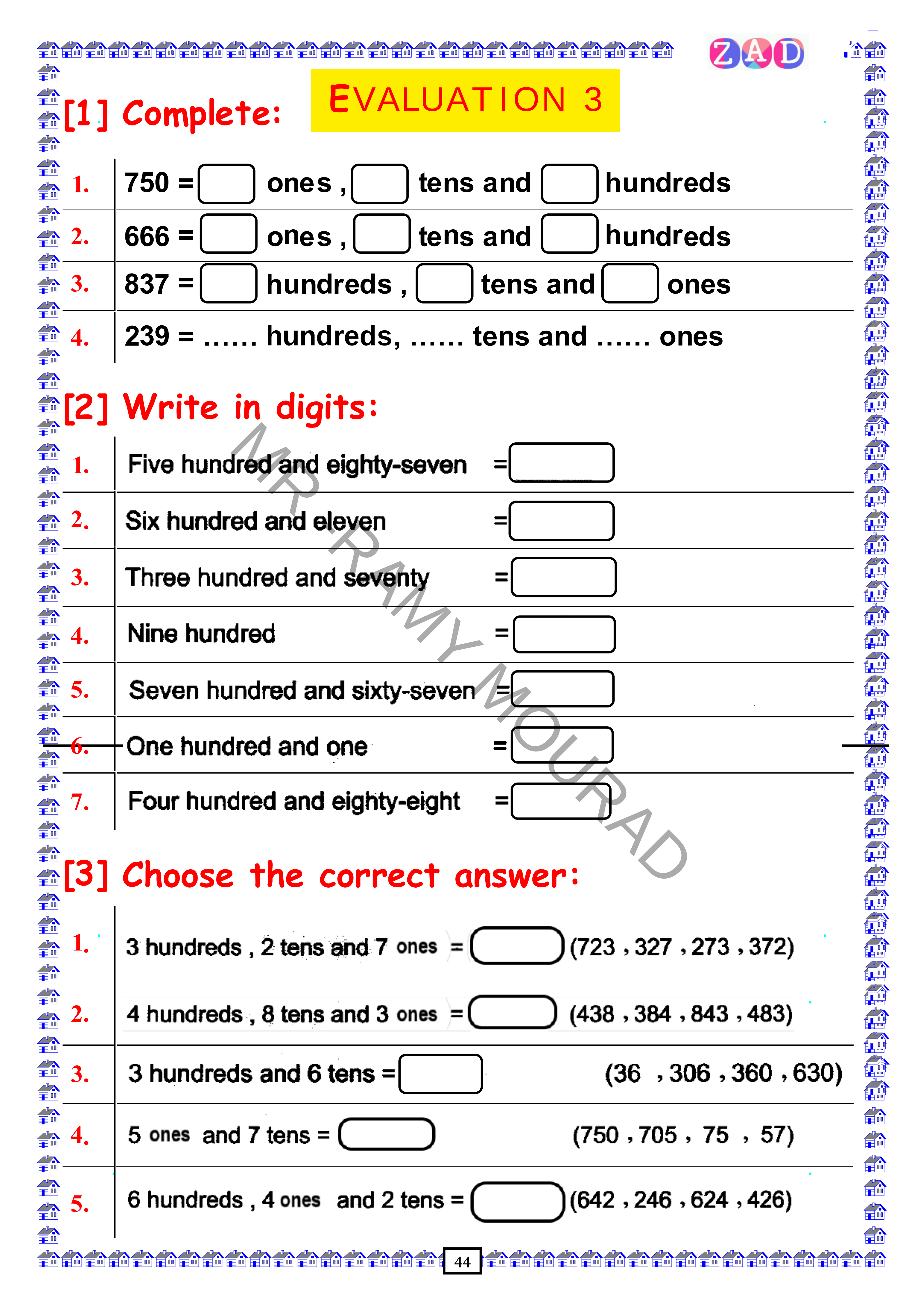
3 0 8 = ……. + …….

7 8 0 = ……. + …….

………… = 800 + 70 + 2

………… = 9 + 60 + 900





ZAD

EVALUATION 3

[1] Complete:

1. 750 = ☐ ones , ☐ tens and ☐ hundreds
2. 666 = ☐ ones , ☐ tens and ☐ hundreds
3. 837 = ☐ hundreds , ☐ tens and ☐ ones
4. 239 = …… hundreds, …… tens and …… ones

[2] Write in digits:

1. Five hundred and eighty-seven = ☐
2. Six hundred and eleven = ☐
3. Three hundred and seventy = ☐
4. Nine hundred = ☐
5. Seven hundred and sixty-seven = ☐
6. One hundred and one = ☐
7. Four hundred and eighty-eight = ☐

[3] Choose the correct answer:

1. 3 hundreds , 2 tens and 7 ones = ☐ (723 , 327 , 273 , 372)
2. 4 hundreds , 8 tens and 3 ones = ☐ (438 , 384 , 843 , 483)
3. 3 hundreds and 6 tens = ☐ (36 , 306 , 360 , 630)
4. 5 ones and 7 tens = ☐ (750 , 705 , 75 , 57)
5. 6 hundreds , 4 ones and 2 tens = ☐ (642 , 246 , 624 , 426)



6.	Five hundreds and 9 ones = ☐ (59 , 95 , 509 , 590)
7.	Eight hundred and sixty = ☐ (68 , 860 , 806 , 608)

[4] Circle the correct digit as in the example:

1.	Circle the **hundreds**.	(4) 8 7
2.	Circle the **ones**.	2 8 9
3.	Circle the **hundreds**.	3 3 3
4.	Circle the **tens**.	8 2 5
5.	Circle the **tens**.	4 0 0
6.	Circle the **hundreds**.	8 9 9
7.	Circle the **hundreds**.	2 1 5
8.	Circle the **tens**.	4 5 8
9.	Circle the **ones**.	5 7 0
10.	Circle the **ones**.	8 6 7
11.	Circle the **hundreds**.	6 4 8
12.	Circle the **tens**.	4 4 4



VALUE AND PLACE VALUE

Write the place-value of 4 in each of the following numbers:

425 : ....
234 : ....
640 : ....
417 : ....
647 : ....
345 : ....
409 : ....
804 : ....
224 : ....
430 : ....

Complete :

The value of 5 in 425 is ....
The value of 7 in 789 is ....
The value of 6 in 260 is ....
The value of 3 in 503 is ....
The value of 1 in 123 is ....
The value of 2 in 123 is ....
The value of 4 in 234 is ....
The value of 8 in 758 is ....



Write the value and the place value of the encircled number :

The number	The place	The place-value
(5) 4 8		
6 (7) 3		
3 1 (0)		
5 0 (8)		
7 (6) 9		
(4) 8 2		





❶ *Complete :*

[a] 5 hundreds , 4 tens and 8 ONES = ... (in digits)

[b] In the number 479 , the digit 4 is in the .... place and its value is ....

[c] The number 718 is read as ....

[d] .... = 900 + 60 + 3

❷ *Circle the value of the underlined digit :*

[a] 538 .... (5 *or* 50 *or* 500)

[b] 697 .... (700 *or* 7 *or* 70)

[c] 335 .... (3 *or* 30 *or* 300)

[d] 470 .... (4 *or* 40 *or* 400)

❸ *Write the following numbers in digits :*

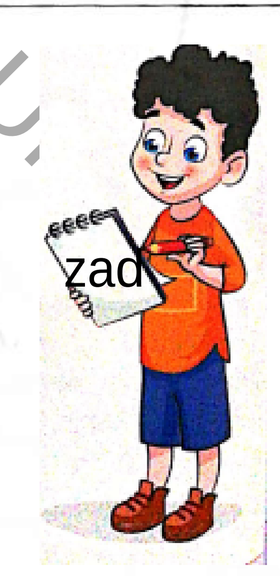
[a] Five hundred and thirty-one ....

[b] Six hundred and four ....

[c] Nine hundred and eighteen ....

[d] Seven hundred and seventy ....





EVALUATION 4

1) Complete:

a) 6 hundreds , 2 tens , and 4 ones = ...

b) 9 hundreds , and 7 tens =.........

c) 4 hundreds , and 8 ones =........

d) .....hundreds , ...tens , ...ones = 643

e) 8 hundreds =........ tens

f) 50 tens = ... hundreds

2) Complete the following in the expanded form:

a) 573 = ... + ... + ...

b) 608 = ... + ... + ...

c) 750 = ... + ... + ...

3) Complete the following in the compact form:

a) 300 + 20 + 6 = ...

b) 400 + 7 =..........

c) 500 + 30 =..........

d) 100 + 6 + 10 =..........

4) Write the place value of:

a) 6 in 163 is ....

b) 2 in 702 is ....

c) 5 in 654 is ....

d) 9 in 943 is ....

5) Write the value of:

a) 0 in 803 is ....

b) 7 in 725 is ....

c) 1 in 631 is.........

d) 5 in 954 is........

6) Complete:

a) 782 = ... + 82 = 700 + ... + ...

b) 126 = 100 + ... = ... + ... + ...

c) ....= .... + 25= 400 + 20 + 5










Comparing two numbers

Complete using the suitable sign ((< , = or >)):

254	☐	564	124	☐	547	357	☐	375
564	☐	567	758	☐	778	367	☐	157
456	☐	456	8 tens	☐	801	5 hundreds	☐	498
300	☐	30 tens	500	☐	50units	6 tens	☐	600

Under line the greatest number :

- 265 , 625
- 131 , 132
- 560 , 506
- 364 , 759
- 321 , 312
- 645 , 752

Under line the smallest number :

- 769 , 624
- 795 , 597
- 774 , 877
- 770 , 707
- 791 , 917
- 600 , 499

Write all numbers that can be formed using the cards that have the following digits : 5 4 7 then complete :

The greatest number is ....

The smallest number is ....

The greatest that can be formed using 5,3 and 8 is ....

The smallest that can be formed using 7,9 and 6 is ....

The greatest that can be formed using 2,0 and 3 is ....

The smallest that can be formed using 7,9 and 0 is ....



Write all numbers that can be formed using the cards that have the following digits : | 5 | 4 | 7 | then complete :

The greatest number is ………………
The smallest number is ………………

Write all numbers that can be formed using the cards that have the following digits : | 4 | 8 | 2 | then complete :

The greatest number is ………………
The smallest number is ………………

Write all numbers that can be formed using the cards that have the following digits : | 1 | 7 | 3 | then complete :

The greatest number is ………………
The smallest number is ………………

The greatest that can be formed using 5,3 and 8 is ………………

The greatest that can be formed using 2,7 and 3 is ………………

The smallest that can be formed using 7,9 and 0 is ………………

The smallest that can be formed using 7,9 and 6 is ………………

The greatest that can be formed using 2,0 and 3 is ………………

The smallest that can be formed using 5,9 and 0 is ………………





Arrange each of the following sets of numbers :
in ascending order (from the smallest to the greatest)
and in descending order (from the greatest to the smallest) :

a) 358 , 879 , 246 , 612 , 501
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

b) 576 , 675 , 756 , 567 , 657
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

c) 55 , 500 , 505 , 50 , 550
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

d) 400 , 800 , 100 , 450 , 750
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

e) 456 , 465 , 427 , 472 , 440
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

f) 257 , 752 , 275 , 725 , 527
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...

g) 800 , 80 , 8 , 888 , 88
ascendingly : .... , ... , ... , ... , ...
descendingly : .... , ... , ... , ... , ...



EVALUATION 5



1) Arrange in an ascending order :

a) 745 , 475 , 574 , 547 , 457

the order is : ……….. , ………… , ……….. , ………… , …………..

b) 584 , 103 , 99 , 583 , 827

the order is :……… , ………. , ………… , …………. , ……………

2) Arrange in a descending order:

a) 723 , 318 , 516 , 147 , 152

the order is :……… , ……….. , ……….. , ……….. , ………….

b) 816 , 999 , 89 , 604 , 293

the order is:…….. , ……….. , ………. , ……….. , ………….

3) put the suitable sign (< ,= or >)

a) 692…….. 648

b) 200 + 65 …….. two hundred sixty five

c) 67 tens ……….. 670

4) Write all the numbers that can be formed using the cards that have the following digits







The numbers are :-

………… , ……….. , …………. , ……………. , …………. , …………







Complete :

The greatest 2-digit number is …………..
The smallest 2-digit number is …………..

The greatest 3-digit number is …………..
The smallest 3-digit number is …………..

The greatest 2-digit formed from different digits number is …………..
The smallest 2-digit formed from different digits number is …………..

The greatest 3-digit formed from different digits number is …………..
The smallest 3-digit formed from different digits number is …………..

The greatest 2-digit formed from same digits number is …………..
The smallest 2-digit formed from same digits number is …………..

The greatest 3-digit number formed from same digits is …………..
The smallest 3-digit number formed from same digits is …………..

The greatest number formed from 5 , 8 and 3 is …………
The smallest number formed from 8 , 0 and 2 is …………

The greatest 3-digit number formed from 5 and 3 is …………
The smallest 3-digit number formed from 6 and 1 is …………

Write all numbers that can be formed using the cards that have the following digits : 4 8 2 then complete :

The greatest number is …………………
The smallest number is …………………
In ascending order : ……… , ……… , ……… , ……… , ……… , ………
In descending order : ……… , ……… , ……… , ……… , …… , ………





EVALUATION 6

1. Complete:

a) The number 801 is just after ………

b) The number which contains 4ones,3 tens and 4 hundreds is written as………

c) The number of 4hundreds and 6 tens is written as …………..

d) The number 467=………ones,……..tens and ………hundreds

e) The number 854=…….ones,……tens and……..hundreds.

f) The number 297 is just before ……………….

g) The number 799 is just after ……………

h) The numbers between 311 and 318 are…….,……..,…….,……,……,……..

i) The greatest 3 digit number is ………….

j) The greatest and smallest number could be formed from6, 1,3 are ……….

k) The greatest and smallest number could be formed from

9, 1,3 are ………..,……………..

2. Arrange numbers in an ascending order:

518 , 459, 428 , 580 ,400

The order:………. , …….. , ………….. , …….. , …….

3. Arrange numbers in a descending order:



954 , 913 ,929 ,909,972

The order :…………. , ………. , ……….. , ……….. , …………



GENERAL EXERCISES

CHAPTER 3



1 Circle the value of the underlined digit.

(1) 3<u>5</u>4

5 50 500

(2) <u>7</u>85

700 70 7

(3) 95<u>4</u>

4 40 400

(4) <u>1</u>95

1 10 100

(5) 6<u>3</u>0

3 30 300

(6) 7<u>0</u>9

0 10 100

2 Write in expanded form.

(1) 745 = ... + ... + ...

(2) 172 = ... + ... + ...

(3) 480 = ... + ... + ...

(4) 549 = ... + ... + ...

(5) 103 = ... + ... + ...

(6) 111 = ... + ... + ...







3 Write numbers in standard form.

1. 300 + 90 + 5 =
2. 7 + 400 + 60 =
3. 90 + 800 =
4. 900 + 5 =
5. 30 + 700 + 4 =
6. 500 + 9 + 80 =



4 Write the following numbers in words.



1. 7
2. 3
3. 5
4. 9
5. 40
6. 80
7. 10
8. 30
9. 20
10. 60
11. 70
12. 8
13. 50
14. 1
15. 4
16. 90

[5] Choose the correct answer:

1. The value of the digit 9 in the number 972 is ☐ (900 or 9 or 90)

2. The value of the digit 6 in the number 265 is ☐ (6 or 60 or 600)

3. The value of the digit 7 in the number 573 is ☐ (7 or 70 or 700)

4. The value of the digit 0 in the number 401 is ☐ (100 or 10 or 0)

5. The value of the digit 3 in the number 358 is ☐ (3 or 30 or 300)

[6] Complete:

1. The place value of the digit 5 in the number 521 is ☐
2. The place value of the digit 9 in the number 259 is ☐
3. The place value of the digit 3 in the number 830 is ☐
4. The place value of 4 in 409 is ☐
5. The place value of ☐ in 923 is tens.
6. 200 + 70 + 9 = ☐
7. 100 + 80 + 5 = ☐
8. 400 + 20 + 0 = ☐
9. 500 + 90 + 1 = ☐
10. 600 + 30 + 2 = ☐



11.	900	+	60	+	4	=	
12.	300	+	50	+	2	=	
13.	900	+	0	+	6	=	
14.	400	+	40	+	4	=	
15.	600	+	70	+	9	=	
16.	800	+	8	+	10	=	
17.	700	+	6	+	50	=	
18.	896 =		+	90	+	6	
19.	576 =		+	70	+		
20.	986 =	900	+		+		
21.	460 =		+		+		
22.	222 =		+		+		
23.	607 =		+		+		
24.	963 =		+	60	+	3	
25.	214 =	200	+	10	+		
26.	479 =	400	+	70	+		
27.	364 =		+		+		



[7] Circle the smaller number:

1.	432	342	2.	749	789
3.	505	550	4.	817	871
5.	102	99	6.	952	649
7.	404	444	8.	266	622

[8] Circle the greater number:

1.	365	265	2.	698	986
3.	256	265	4.	895	985
5.	535	355	6.	369	631
7.	53	140	8.	83	86

[9] Complete using (>), (<) or (=):

1.	437 ◯ 457	2.	517 ◯ 507
3.	546 ◯ 654	4.	620 ◯ 420
5.	625 ◯ 628	6.	510 ◯ 501
7.	725 ◯ 725	8.	862 ◯ 628
9.	770 ◯ 777	10.	499 ◯ 499

ZAD

[10] Complete using (>), (<) or (=):

1. 948 ◯ 900 + 48
2. 3 + 70 + 200 ◯ 273
3. 232 ◯ Two hundred and thirty-two
4. 800 + 20 + 5 ◯ 800 + 50 + 2
5. 1 + 4 + 0 ◯ 140
6. 400 + 40 + 4 ◯ 400 + 44
7. Seven hundred and fourteen ◯ 619

[11] Arrange the following numbers:

1. 514 , 473 , 540 and 437

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....

2. 698 , 986 , 896 and 689

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....

3. 987 , 978 , 897 and 798

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....





[12] Complete:

1) The smallest 1-digit number is ....
2) The smallest 2-digit number is ....
3) The smallest 3-digit number is ....
4) The smallest different 3-digit number is ....
5) The greatest 1-digit number is ....
6) The greatest 2-digit number is ....
7) The greatest 3-digit number is ....
8) The greatest different 2-digit number is ....
9) The greatest different 3-digit number is ....
10) 500 + 60 + 3 = ...
11) 5 hundred, 2 tens, 3 ones = ...
12) 963 = 900 + ... + 3
13) The ones digit in the number 305 is ....
14) The place value of 4 in 430 is ....
15) Two hundred and sixty-seven = ...
16) Three hundred and twenty-four = ...
17) 500 + 200 = ...





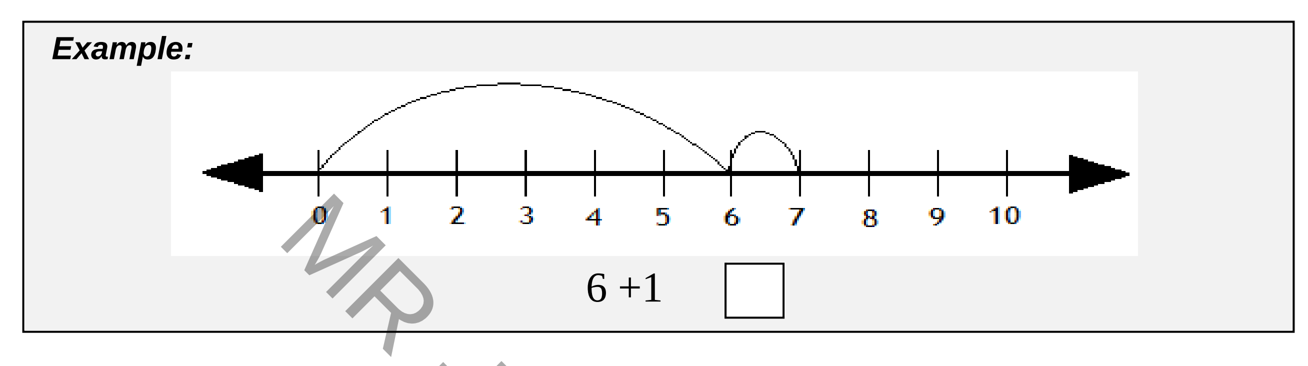
CHAPTER 4

ADDING

Adding with number lines

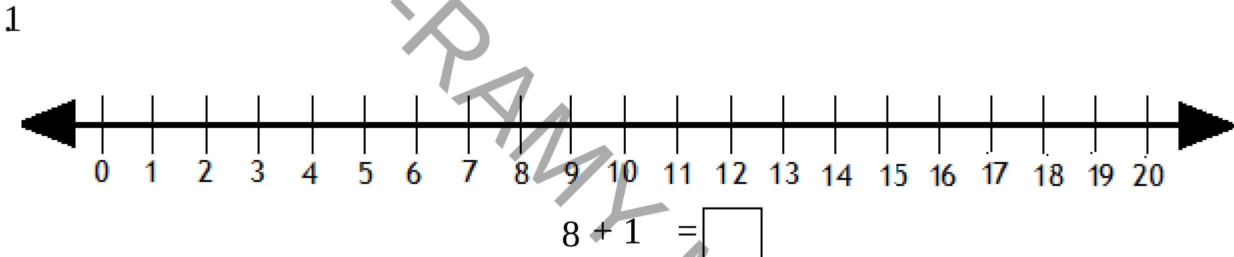
Grade 1 Addition Worksheet

Example:



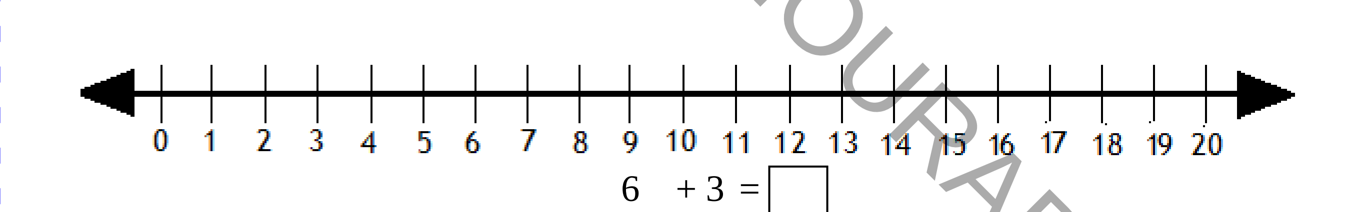
6 +1 ☐

1



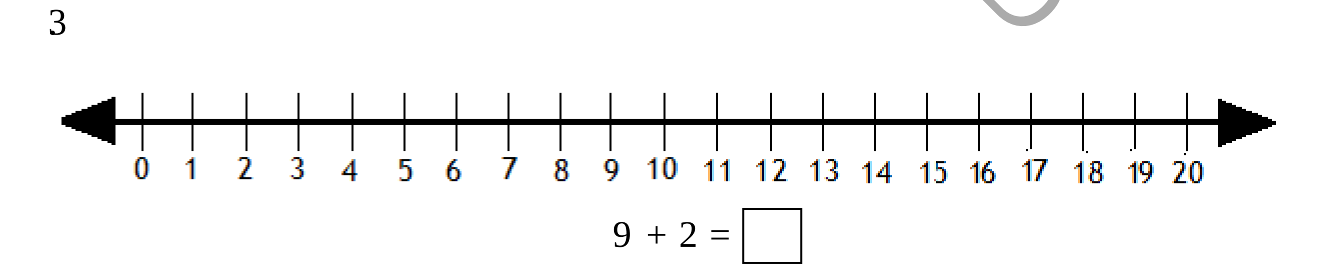
8 + 1 = ☐

2



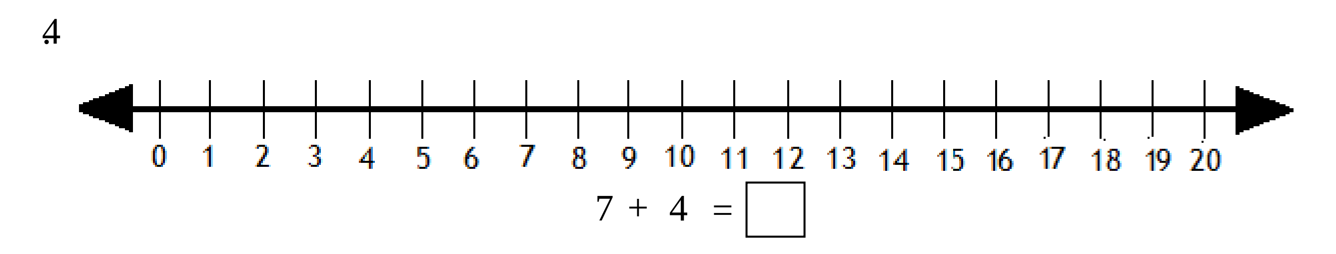
6 + 3 = ☐

3



9 + 2 = ☐

4



7 + 4 = ☐



counting on and countyng back



Count on to find the sum.

53 + 7 = ______

9 + 14 = ______

8 + 61 = ______

20 + 6 = ______

5 + 87 = ______



Count back to find the difference.

31 − 1 = ______

26 − 5 = ______

44 − 9 = ______

13 − 7 = ______

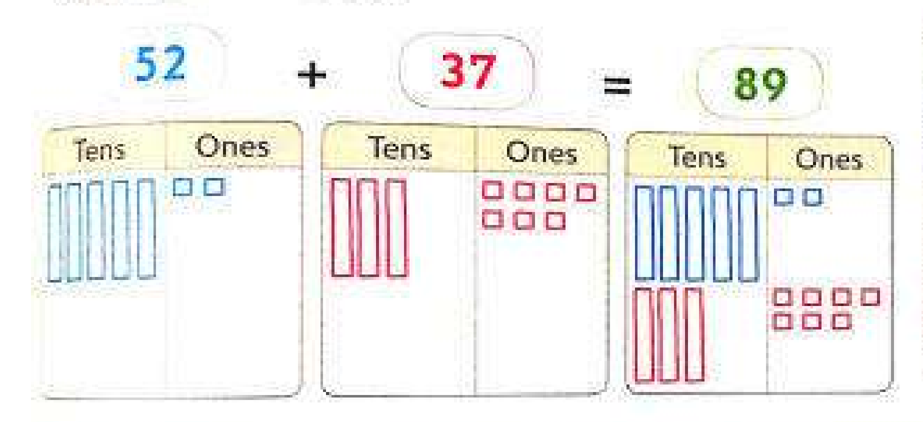
60 − 2 = ______

adding tens and ones

• How to add 52 + 37 ?



Decompose by drawing sticks for tens and small squares for ones for each addend to add.



I added the ones
2 + 7 = 9
I added the tens
50 + 30 = 80
How many in all ?
80 + 9 = 89
So, 52 + 37 = 89

34 + 42 =

Tens	Ones

Tens	Ones

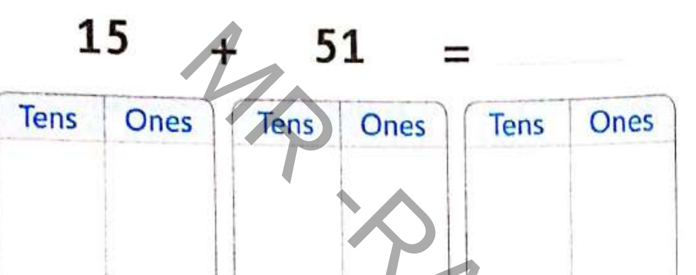
Tens	Ones

- Add the ones ____ + ____ = ____
- Add the tens ____ + ____ = ____
- How many in all ?

____ + ____ = ____

So, 34 + 42 = ____

15 + 51 = ____



Tens	Ones

Tens	Ones

Tens	Ones

- Add the ones ____ + ____ = ____
- Add the tens ____ + ____ = ____
- How many in all ?

____ + ____ = ____

So, 15 + 51 = ____

22 + 74 = ____

Tens	Ones

Tens	Ones

Tens	Ones

- Add the ones ____ + ____ = ____
- Add the tens ____ + ____ = ____
- How many in all ?

____ + ____ = ____

So, 22 + 74 = ____

67 + 20 = ____

Tens	Ones

Tens	Ones

Tens	Ones

- Add the ones ____ + ____ = ____
- Add the tens ____ + ____ = ____
- How many in all ?

____ + ____ = ____

So, 67 + 20 = ____



add

536	671	420	263	227	124
+ 321	+ 205	+ 459	+ 512	+ 431	+ 533
………	……..	………	………	……….	………

236	632	392	743	458	104
+ 241	+ 145	+ 400	+ 22	+ 131	+ 333
………	………	………	………	……….	

Complete using (<), (>) or (=)

a) 611 + 238 ◯ 849

b) 314 + 462 ◯ 786

c) 231 + 412 ◯ 787

d) 342 + 127 ◯ 459

e) 417 + 132 ◯ 321 + 328

f) 214 + 215 ◯ 323 + 106

g) 860 + 129 ◯ 287 + 702

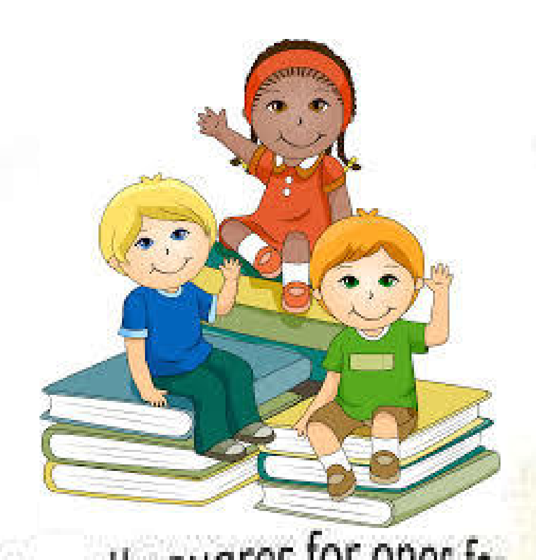
h) 304 + 573 ◯ 283 + 615

i) 326 + 231 ◯ 5 hundreds, 7 tens and 5 ones

j) 555 + 444 ◯ seven hundred and twenty-seven.



subtraction



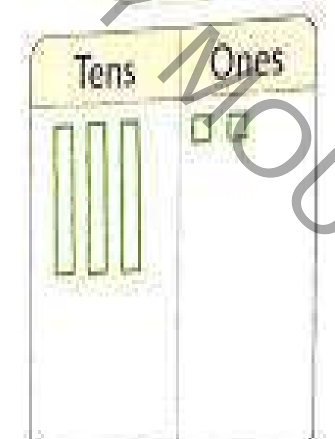
- How to subtract $56 - 24$?

First way

Decompose by drawing sticks for tens and small squares for ones for the first number, then take away the second number to subtract.

56 – 24 =

Tens	Ones



I subtracted the ones

$6 - 4 = 2$

I subtracted the tens

$50 - 20 = 30$

How many in all ?

$30 + 2 = 32$

So, $56 - 24 = 32$





49 – 32 = ______

Tens	Ones

Tens	Ones

- Subtract the ones ______ – ______ = ______
- Subtract the tens ______ – ______ = ______
- How many in all ?

______ + ______ = ______

So, 49 – 32 = ______

87 – 55 = ______

Tens	Ones

Tens	Ones

- Subtract the ones ______ – ______ = ______
- Subtract the tens ______ – ______ = ______
- How many in all ?

______ + ______ = ______

So, 87 – 55 = ______

76 – 34 = ______

Tens	Ones

Tens	Ones

- Subtract the ones ______ – ______ = ______
- Subtract the tens ______ – ______ = ______
- How many in all ?

______ + ______ = ______

So, 76 – 34 = ______

35 – 20 = ______

Tens	Ones

Tens	Ones

- Subtract the ones ______ – ______ = ______
- Subtract the tens ______ – ______ = ______
- How many in all ?

______ + ______ = ______

So, 35 – 20 = ______





Example :

857	347	782
- 432	- 237	- 751
425	110	31

ⓐ 857 − 532 = ...

ⓑ 978 − 725 = ...

ⓒ 950 − 850 = ...

ⓓ 307 − 203 = ...

ⓔ 453 − 432 = ...

ⓕ 245 − 213 = ...

ⓖ 747 − 315 = ...

ⓗ 592 − 471 = ...

ⓘ 689 − 357 = ...

ⓙ 478 − 145 = ...

ⓚ 897 − 387 = ...

ⓛ 396 − 125 = ...

ⓜ 879 − 238 = ...

ⓝ 946 − 45 = ...

ⓞ 666 − 24 = ...

ⓟ 789 − 23 = ...



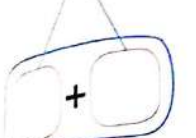



DECOMPOSE TO ADD AND SUBTRACT



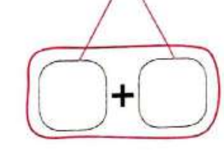

42 + 35 = ____

(+) + (+) = (+)



67 + 21 = ____

(+) + (+) = (+)

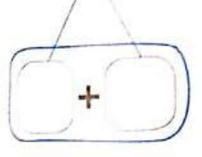
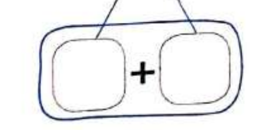



Decompose each number to subtract.



54 – 32 = ____

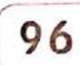
(+) – (+) = (+)

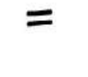





96 – 84 = ____

(+) – (+) = (+)



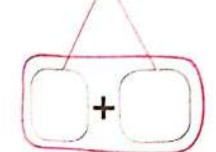
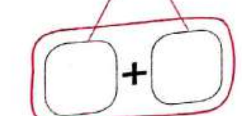
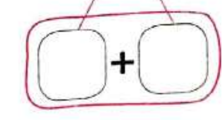


Count on to add.

52 + 8 = ____

9 + 16 = ____

75 + 7 = ____

Count back to subtract.

38 – 6 = ____

55 – 5 = ____

21 – 7 = ____



1- **estimation to add and subtract by using 120 chart**

use 120 chart to estimate

37 is closer to

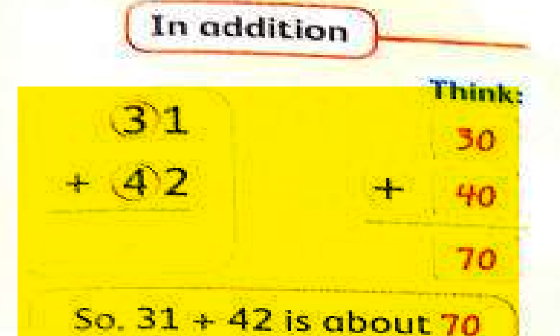
14 is closer to

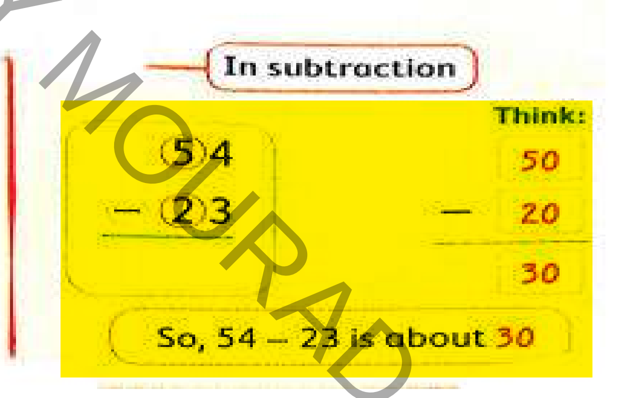
42 is closer to

use 120 chart to estimate (find thr closer to add and subtract)

27 + 11	+	62 - 21	- ....
16 + 40	+	59 - 37	- ....

2- place value strategy estimation





use place value strategy to estimate.

Think:

52
+ 32

52 + 32 is about

Think:

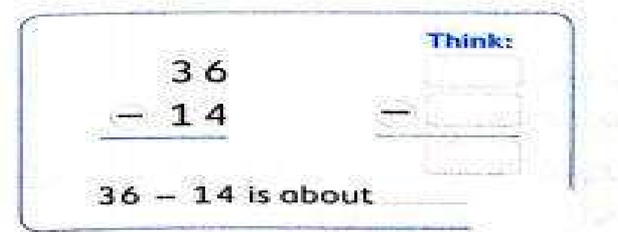
93
– 52

93 – 52 is about

Think:

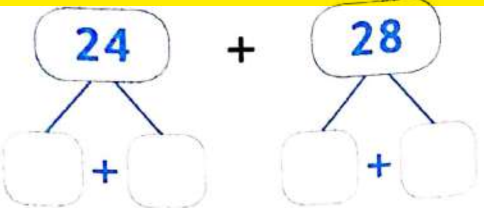
11
+ 63

11 + 63 is about





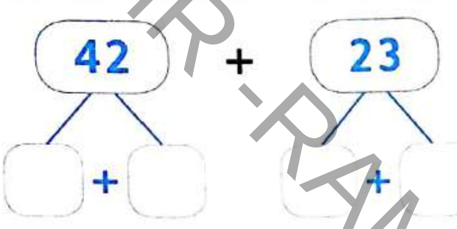
accepted or not accepted estimation by using place value strategy





- Add the ones ______ + ______ = ______
- Add the tens ______ + ______ = ______
- Find the actual sum ______ + ______ = ______

Choose My estimation is : Accepted. Not accepted.

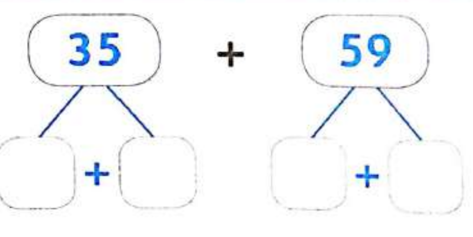


My estimation is ______



- Add the ones ______ + ______ = ______
- Add the tens ______ + ______ = ______
- Find the actual sum ______ + ______ = ______

Choose My estimation is : Accepted. Not accepted.



My estimation is ______



- Add the ones ______ + ______ = ______
- Add the tens ______ + ______ = ______
- Find the actual sum ______ + ______ = ______

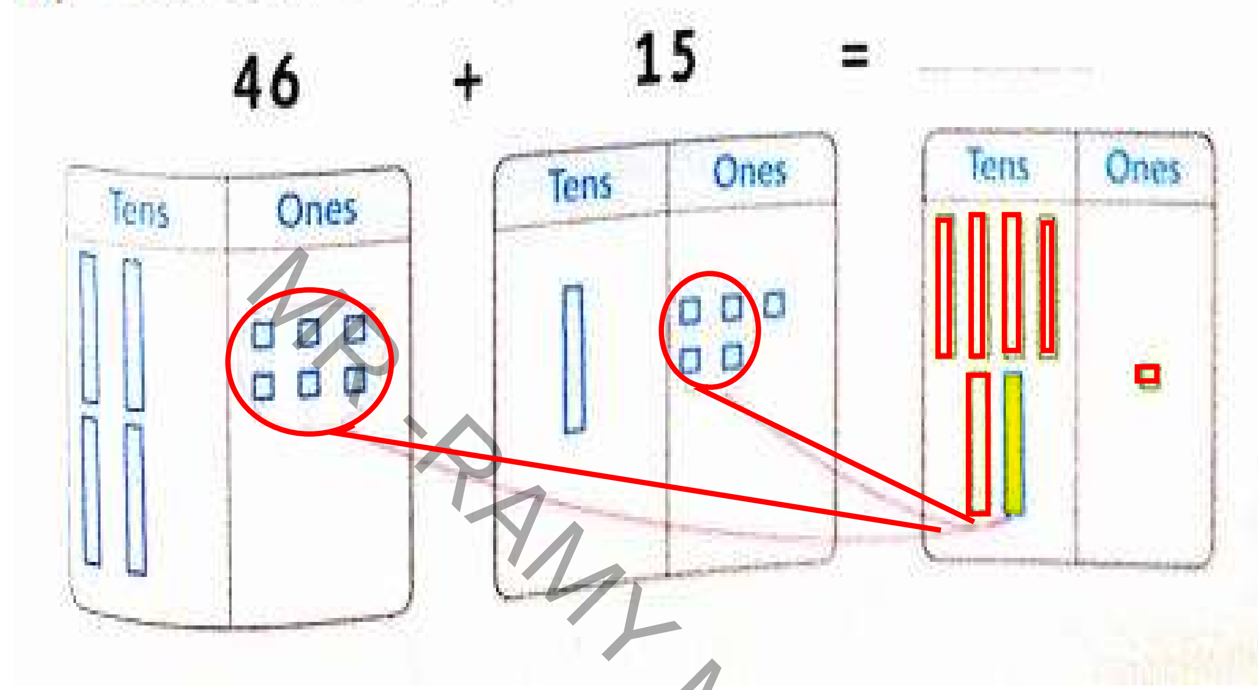
Choose My estimation is : Accepted. Not accepted.

regrouping for addition





Find the sum using regrouping.





Find the sum. Choose if you add with or without regrouping.

43 + 18 =



Tens	Ones

Tens	Ones

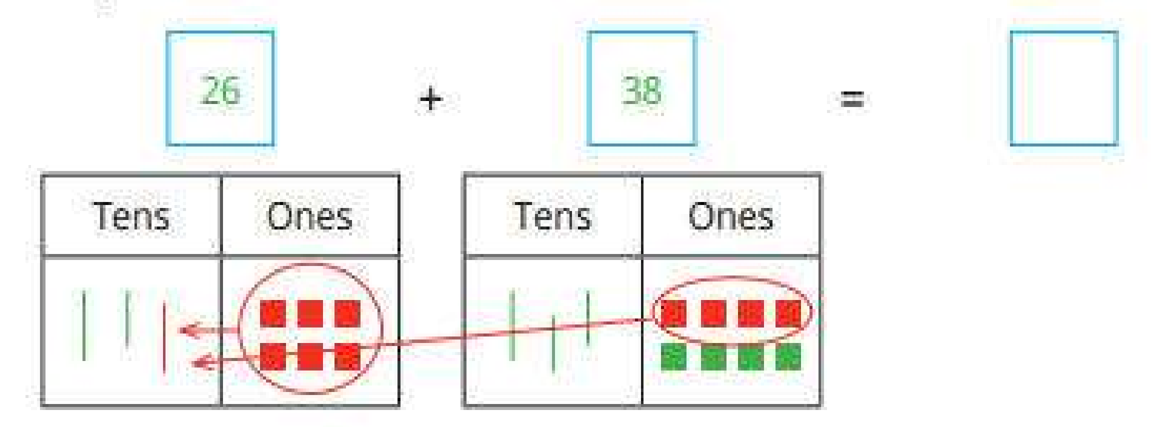
Tens	Ones

Choose : With regrouping Without regrouping



LESSON 38: APPLY

Example:



Directions: Draw Tens sticks and Ones dots to represent each addend. Regroup the Ones. Find the sum.

56 + 35 = ☐

Tens	Ones

Tens	Ones

28 + 54 = ☐

Tens	Ones

Tens	Ones

29 + 43 = ☐

Tens	Ones

Tens	Ones





(carries: 1 1)	(carry: 1)	(carries: 1 1)
677	204	396
+ 238	+ 589	+ 24
915	793	420



(a)	(b)	(c)	(d)
376	339	358	391
+ 287	+ 462	+ 579	+ 399
....	....	....	....



(e)	(f)	(g)	(h)
148	297	166	455
+ 475	+ 447	+ 199	+ 485
....	....	....	....



(i)	(j)	(k)	(l)
638	484	437	287
+ 129	+ 348	+ 273	+ 624
....	....	....	....

(m)	(n)	(o)	(p)
299	544	53	307
+ 97	+ 76	+ 169	+ 99
....	....	....	....

(q)	(r)	(s)	(t)
65	706	483	374
+ 398	+ 109	+ 298	+ 529
....	....	....	....





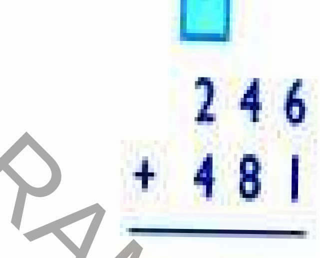
  709
+ 436
_____

  668
+ 542
_____

  173
+ 285
_____



  625
+ 75
_____



  246
+ 481
_____



  520
+ 189
_____

  779
+ 614
_____

  294
+ 375
_____

  492
+ 459
_____



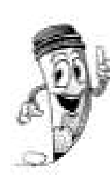
  358
+ 561
_____

  593
+ 308
_____



  416
+ 958
_____





Example :

	7	15	
	6	8	5
-	2	7	8
	4	0	7

	7	14	
	8	4	2
-	6	5	1
	1	9	1

		11	
	4	1	10
	5	2	0
-	2	4	3
	2	7	7

ⓐ

	9	5	4
-	6	2	7
	....		

ⓑ

	7	7	5
-	2	5	8
	....		

ⓒ

	4	1	0
-	2	3	0
	....		

ⓓ

	7	7	7
-	5	6	8
	....		

ⓔ

	4	9	6
-	2	6	9
	....		

ⓕ

	3	1	0
-	1	5	8
	....		

ⓖ

	6	5	7
-	2	4	8
	....		

ⓗ

	2	6	4
-	1	5	8
	....		

ⓘ

	2	0	2
-	1	4	3
	....		

ⓙ

	4	1	9
-	2	3	9
	....		

ⓚ

	5	3	2
-	3	7	4
	....		

ⓛ

	6	4	1
-	5	2	7
	....		

ⓜ

	6	0	0
-	3	4	9
	....		

ⓝ

	4	1	2
-	1	7	8
	....		

ⓞ

	6	0	5
-	1	9	9
	....		

ⓟ

	6	1	5
-	4	2	6
	....		

ⓠ

	9	1	7
-	6	4	8
	....		

ⓡ

	8	0	3
-	1	9	7
	....		

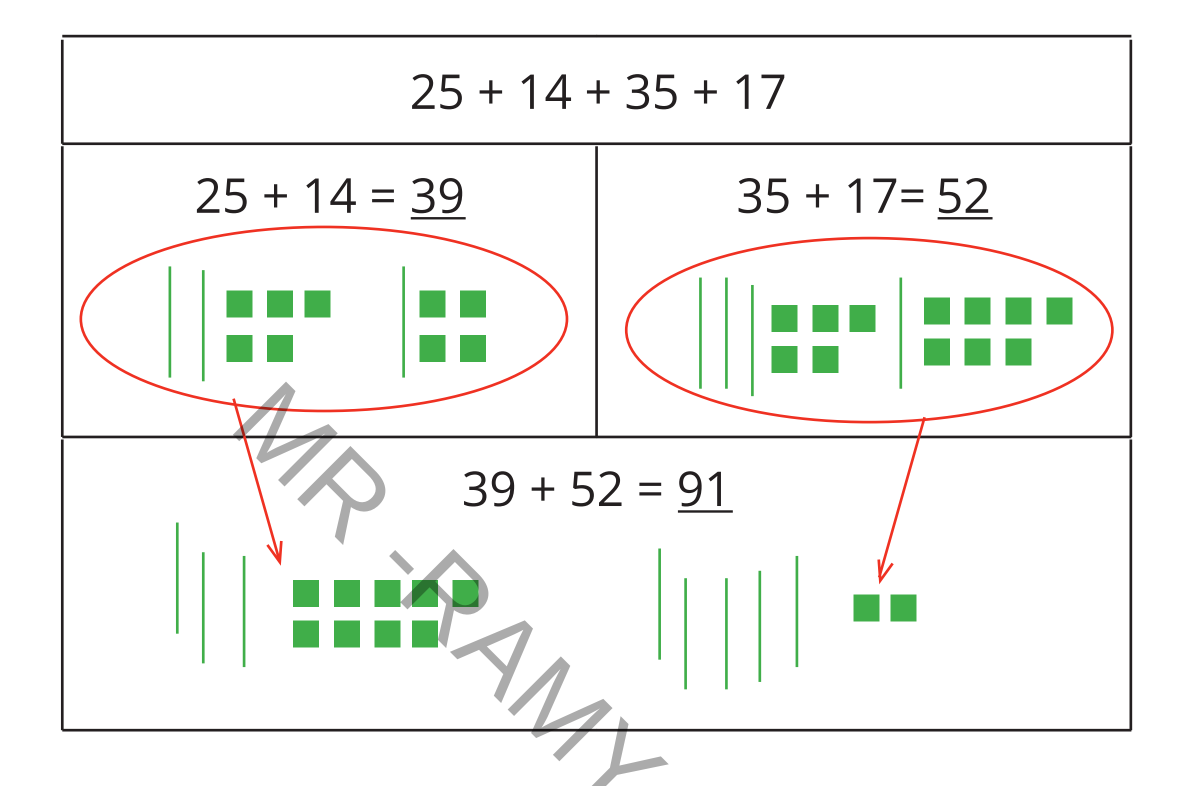


find the result

293 +361	184 +212	454 +361	193 +195	375 +332	665 +273
963 - 217	798 - 345	645 -218	721 - 414	647 - 373	781 - 669
489 +340	242 +281	688 +150	421 +333	553 +396	150 +438
804 - 113	590 - 360	476 - 263	421 - 111	384 -170	926 - 717
183 +854	277 +216	687 +159	953 +174	316 +805	767 +393



Adding four 2-digt numbers



1.

13 + 17 + 22 + 29	
________ + ________ = ________	________ + ________ = ________
________ + ________ = ________	



2.

23 + 17 + 12 + 36	
______ + ______ = ______	______ + ______ = ______
______ + ______ = ______	

3.

22 + 19 + 18 + 14	
______ + ______ = ______	______ + ______ = ______
______ + ______ = ______	



CHAPTER 4 2D SHAPES

A polygon is a closed figure formed from 3 line segments or more .

polygons

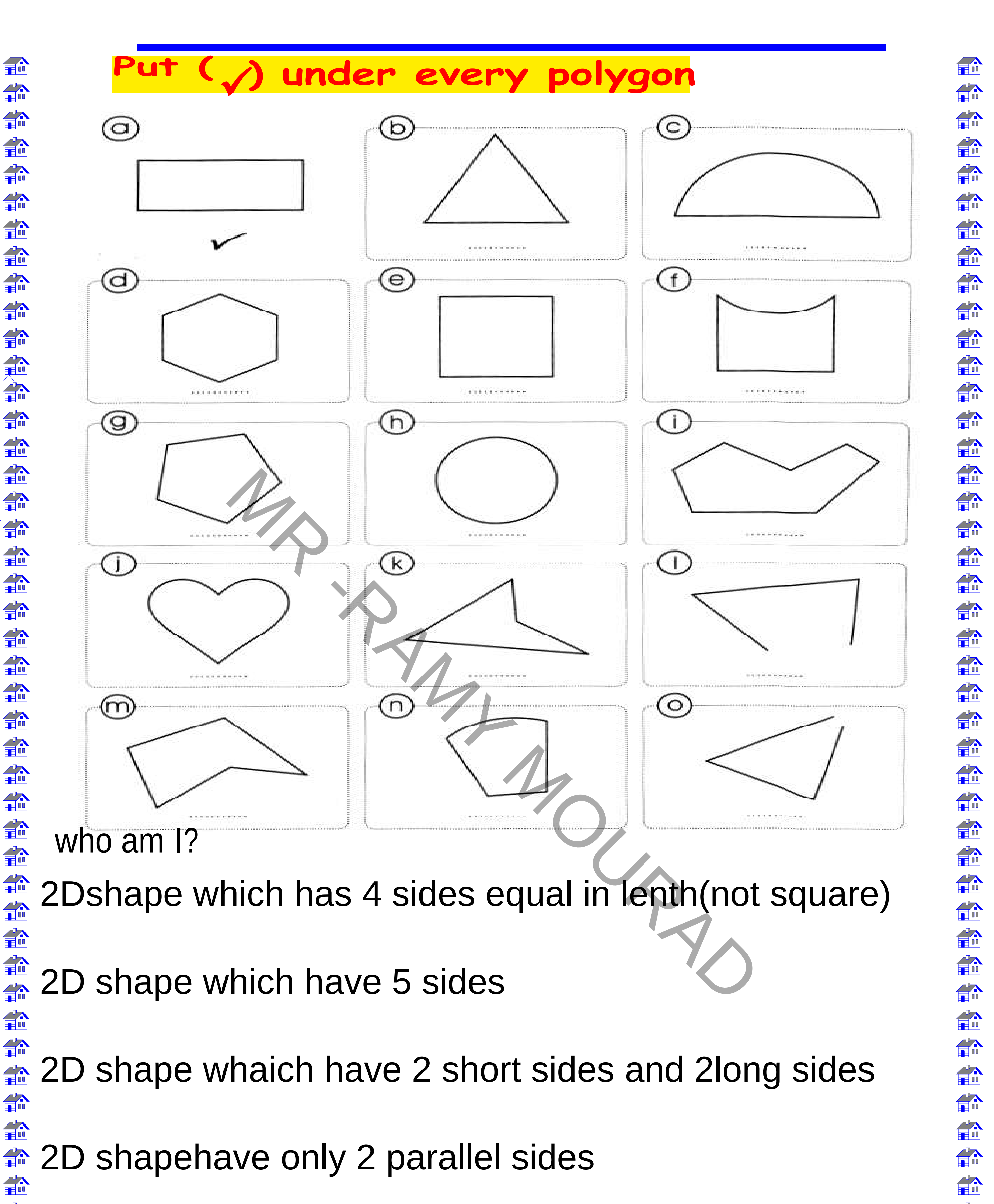
Shape	Name	Properties: Sides	Properties: Vertices
	Triangle	3 sides	3 vertices
	Square	4 sides (all sides are equal)	4 vertices
	Rectangle	4 sides (2 short equal sides and 2 long equal sides)	4 vertices
	Trapezium	4 sides (only 2 parallel lines)	4 vertices
	Rhombus	4 sides (4 equal sides)	4 vertices
	Pentagon	5 sides	5 vertices
	Hexagon	6 sides	6 vertices



Circle the shape that has the same name

Name	Shape
Pentagon	
Trapezium	
Rectangle	
Triangle	
Square	
Rhombus	
Hexagon	

Put (✓) under every polygon



who am I?

2Dshape which has 4 sides equal in lenth(not square)

2D shape which have 5 sides

2D shape whaich have 2 short sides and 2long sides

2D shapehave only 2 parallel sides

2D shape which have 6 vertices

2D shape which have 4 sides equal in lenth(not rhombus)

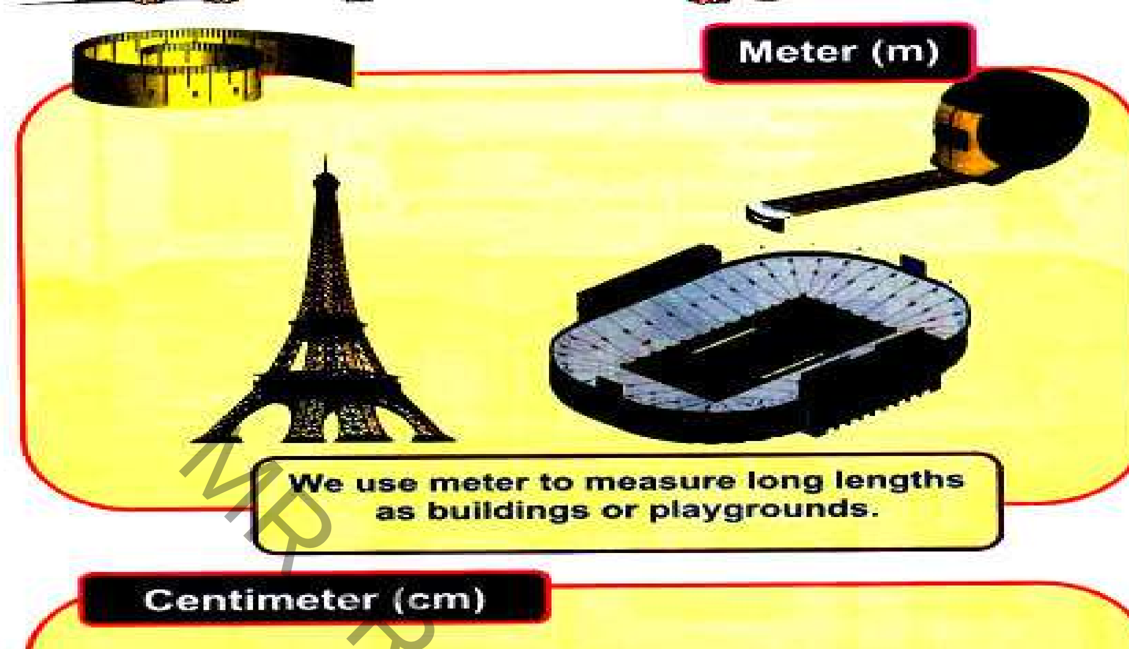


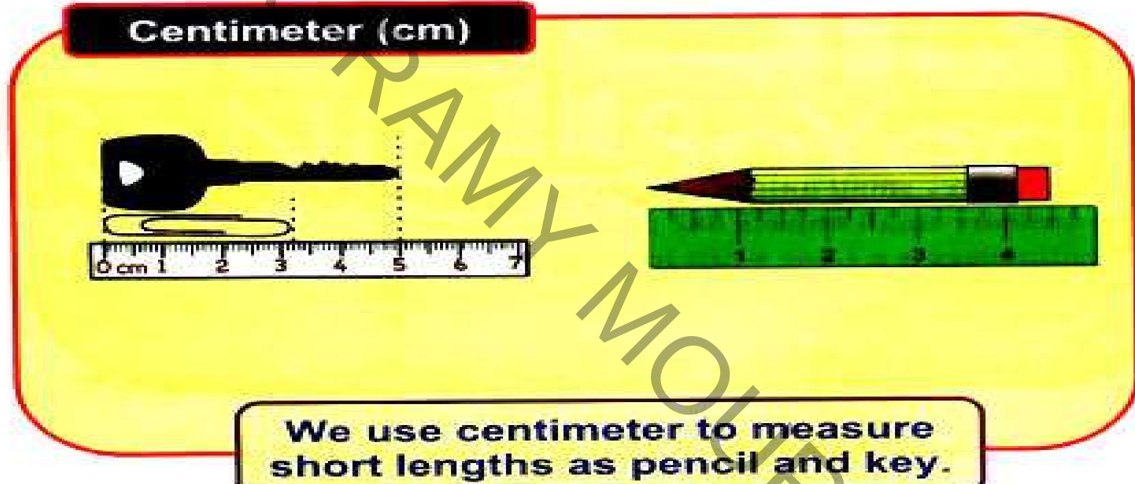
Look carefully at the properties of these 2-D shapes , Write your results in the table .

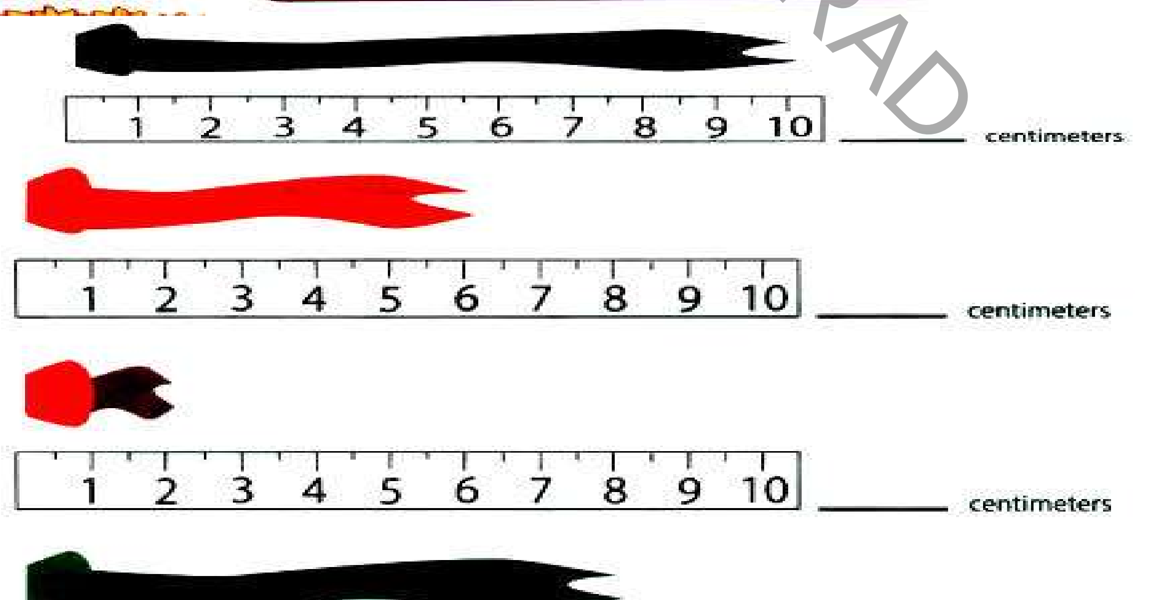
2-D shape	No. of sides	No. of vertices	No. of curved lines	Name of the shape



Measuring length (Centimeter and meter)









Estimate the answer in centimeters and choose the correct .

- The length of Maths book ------ (5 cm – 30 cm – 50 cm)
- The length of eraser ------- (5cm – 20 cm – 30 cm)
- The length of your shoes -------- (18 cm – 40cm – 80 cm)
- The length of your pencil -------- (70cm – 30 cm – 12 cm)
- The length of the pyramid -----(60 cm – 140 m. – 15 cm)
- The length of the car -------- (10 cm – 10 m – 50 cm)
- The length of Cairo tower ------ (17cm – 170 m – 50 cm)

Example

If 1 meter (m.) = 100 centimeter (cm) .

Then 5 m. = 500 cm \ 700 cm = 7 m.

Notice that

6 m. and 35 cm = 600 + 35 = 635 cm

And also

815 centimeters = 8 meter and 15 centimeters





Express the following lengths as in the example .

Example 6 meter = 600 cm

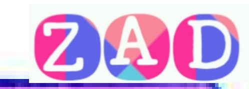
- 10 meter = ---------- cm
- 7 meter = ---------- cm
- ---------- m. = 500 cm
- 9 m. = ---------- cm
- 2 meter = ---------- cm
- ---------- m. = 500 cm
- 100 cm = ---------- m.
- 8 m. = ---------- cm



Express the following lengths as in the example .

Example 200 cm = 2 m.

- 300 cm = ---------- m.
- 500 cm = ---------- m.
- 900 cm = ---------- m.
- 400 cm = ---------- m.
- 600 cm = ---------- m.
- 700 cm = ---------- m.
- 100 cm = ---------- m.
- 800 cm = ---------- m.



Example 3 meters and 65 centimeters = 365 cm

- 4 meters and 75 centimeters = ------- + ------- = ------ cm
- 7 meters and 23 centimeters = ------- + ------- = ------ cm
- 8 meters and 15 centimeters = ------- + ------- = ------ cm
- 6 meters and 50 centimeters = ------- + ------- = ------ cm
- 9 meters and 12 centimeters = ------- + ------- = ------ cm
- 3 meters and 32 centimeters = ------- + ------- = ------ cm
- 2 meters and 63 centimeters = ------- + ------- = ------ cm
- 1 meter and 10 centimeters = ------- + ------- = ------ cm



Express the following lengths as in the example .

Example 545 centimeters = 5 meters and 45 centimeters

- 710 centimeters = -------meters and ------- centimeters
- 320 centimeters = -------meters and ------- centimeters
- 875 centimeters = -------meters and ------- centimeters
- 990 centimeters = -------meters and ------- centimeters
- 623 centimeters = -------meters and ------- centimeters
- 250 centimeters = -------meters and ------- centimeters
- 643 centimeters = -------meters and ------- centimeters
- 888 centimeters = -------meters and ------- centimeters



Solids 3D

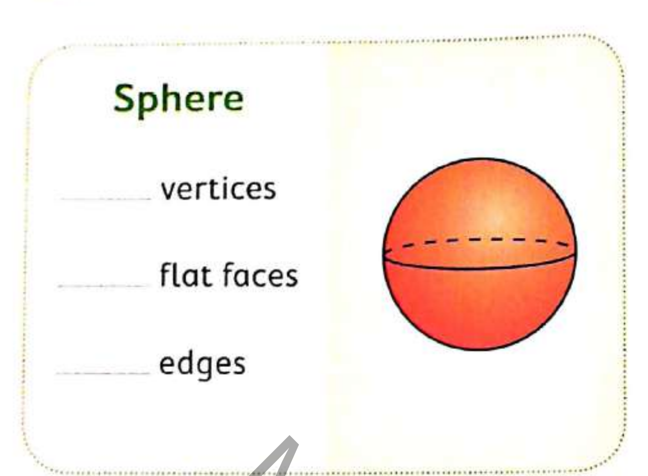
Solid	Number of faces	Number of edges	Number of vertices
Cube	6 faces (square)	12	8
cuboid	6 faces (rectangle)	12	8
Square pyramid	4faces (triangle) + 1base(square)	8	5
Cylinder	2flat faces (circle) 1 curved face	0	0
Sphere	no flat face 1 curved face	0	0







Write how many faces, edges and vertices there are.

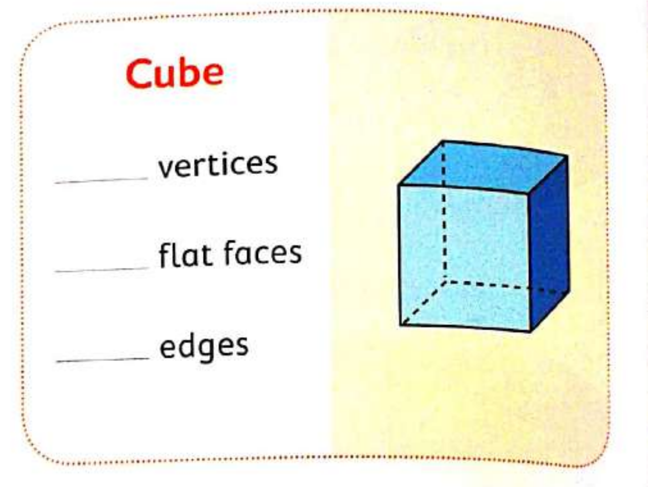


Sphere

_____ vertices

_____ flat faces

_____ edges

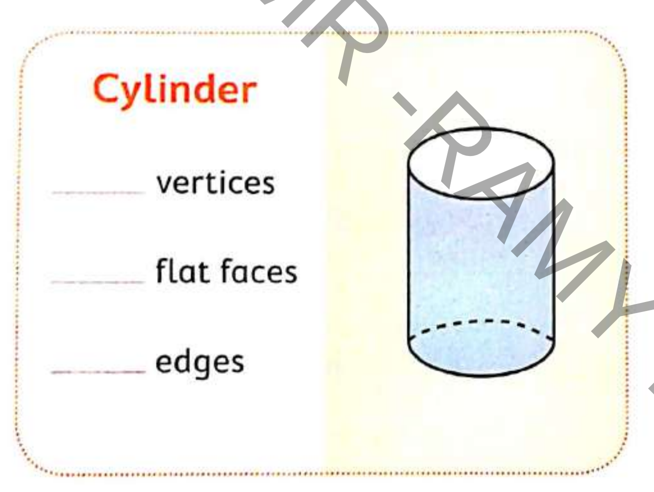


Cube

_____ vertices

_____ flat faces

_____ edges

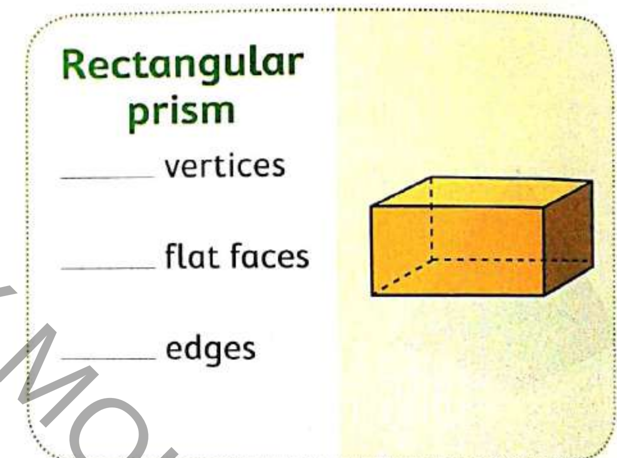


Cylinder

_____ vertices

_____ flat faces

_____ edges

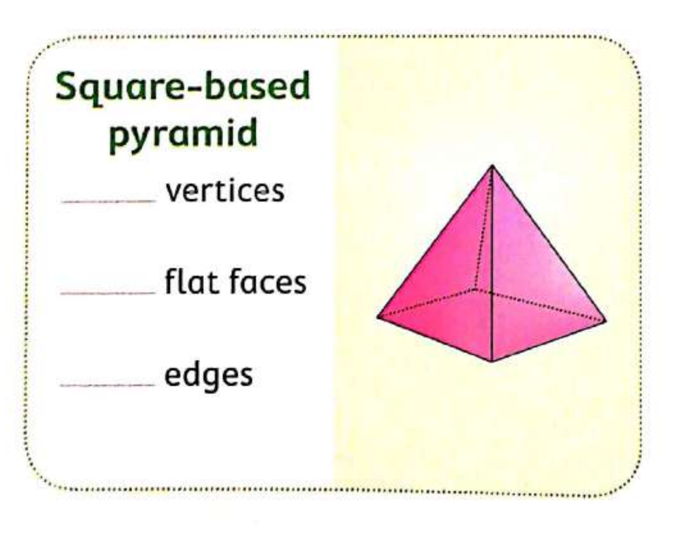


Rectangular prism

_____ vertices

_____ flat faces

_____ edges



Square-based pyramid

_____ vertices

_____ flat faces

_____ edges



evaluation on chapter 5



1 Choose.

1) Which plane figure has fewer than 4 vertices ?
(hexagon , triangle , rectangle , rhombus)

2) Which is the longest length from the following ?
(50 cm , 20 cm , 1 m , 75 cm)

3) The solid figure which has 5 vertices is ________
(square-based pyramid , cylinder , sphere , cube)

4) A two-dimensional shape with 4 sides (2 parallel , 2 not parallel) is ________
(square , rectangle , rhombus , trapezium)

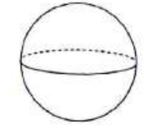
5) Number of vertices of a cube is ________ (5 , 6 , 12 , 8)

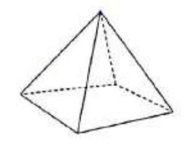
6) The length of the opposite eraser is ______ cm
(4 , 30 ,20 ,20)

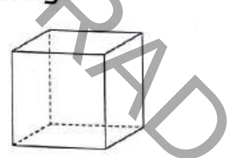
7) 1 metre = ________ cm (1 , 10 , 100 , 50)

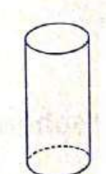
8) The number of vertices of square ________ the number of vertices of trapezium.
(> , < , =)

2 Write the name of each solid of each of the following.


____


____


____

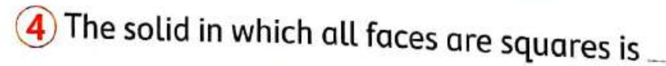

____

3 Complete.

1) The rectangular prism has ________ faces.

2) The number of sides of the figure  = ________

3) The base of a cylinder is ________



4) The solid in which all faces are squares is ________

5) The two-dimensional shape which has 6 sides ________

⑥ 415 cm =.........m +.........cm



Measuring the weight

We use the grams to measure the s[illegible] mass such as:



We use the kilograms to measure the big mass such as:



Gram and kilogram



1 Circle the unit you would use to measure the real object.

grams kilograms	grams kilograms	grams kilograms
grams kilograms	grams kilograms	grams kilograms

2 Which object is about 1 kilogram ?

3 Which object is about 1 gram ?

4 The mass of is about ____

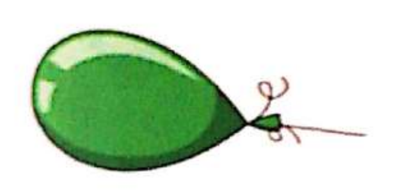
1 gm   5 kg
50 kg   100 kg

5 The mass of is about ____

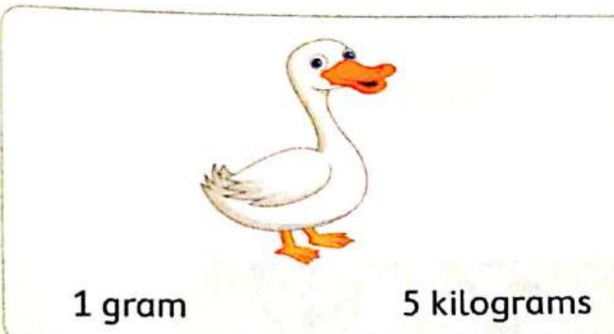
1 kg   1 gm
5 kg   10 kg



. Circle the better estimate.



1gram $\frac{1}{2}$ kilogram



1 gram 5 kilograms



1gram 5 kilograms



1 kilogram 1 gram



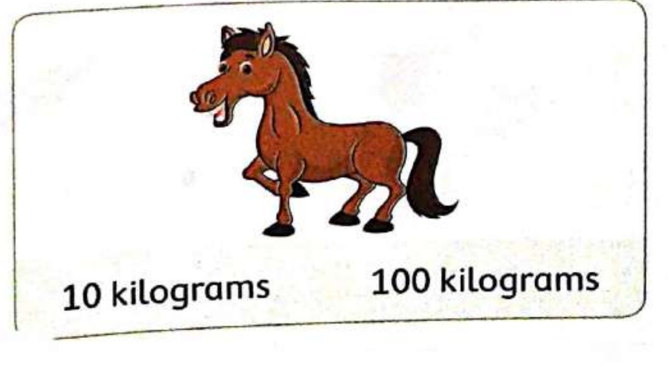
1gram 1 kilogram



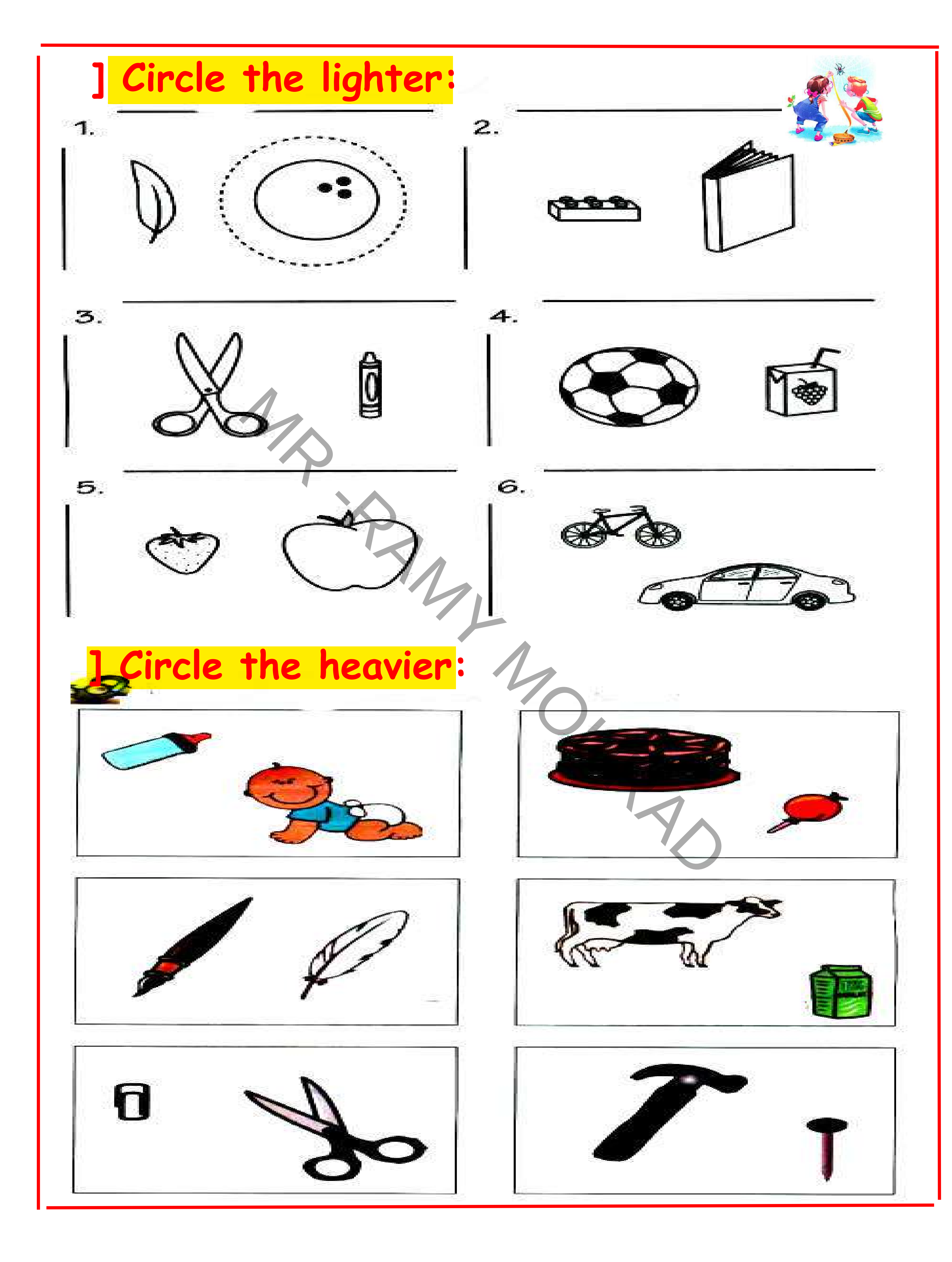
1 kilogram 10 kilograms



1gram 1kilogram



10 kilograms 100 kilograms


] Circle the lighter:
1.
2.
3.
4.
5.
6.
] Circle the heavier:

TELLING TIME



o'clock

five to

five past

ten to

ten past

quarter to

TO

PAST

quarter past

twenty to

twenty past

twenty-five to

half past

twenty-five past

o'clock

five

five

12

11

1

ten

ten

10

2

quarter

9

to

past

3

quarter

8

4

twenty

twenty

7

5

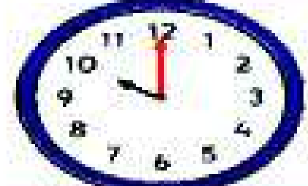
6

twenty-five

twenty-five

half

An hour "60 minutes" o'clock



10 O'clock
10: 00



2 O'clock
02: 00



9 O'clock
09: 00

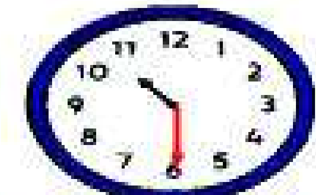
Half an hour "30 minutes" Half past



Half past 9
09: 30



Half past 4
04: 30



Half past 10
10: 30

Quarter of an hour "15 minutes" Quarter past



Quarter past 11
11: 15



Quarter past 4
04: 15



Quarter past 7
04: 15

Three Quarter of an hour "45 minutes" Quarter to



Quarter to 4
03: 45

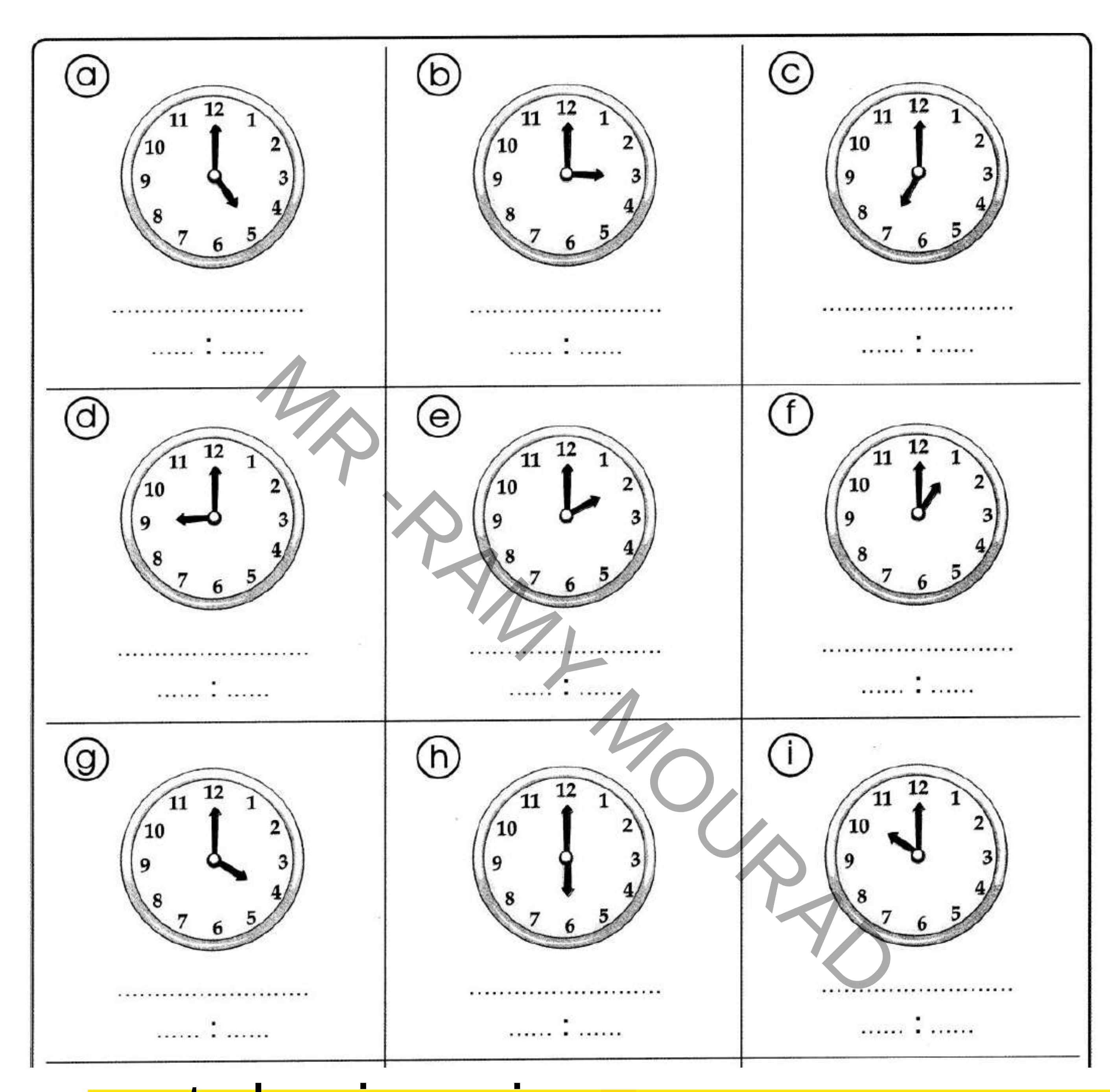


Quarter to 2
01 : 45



Quarter to 6
05 : 45

What is the time?



quarter hour is.......mins and three quarters=...mins

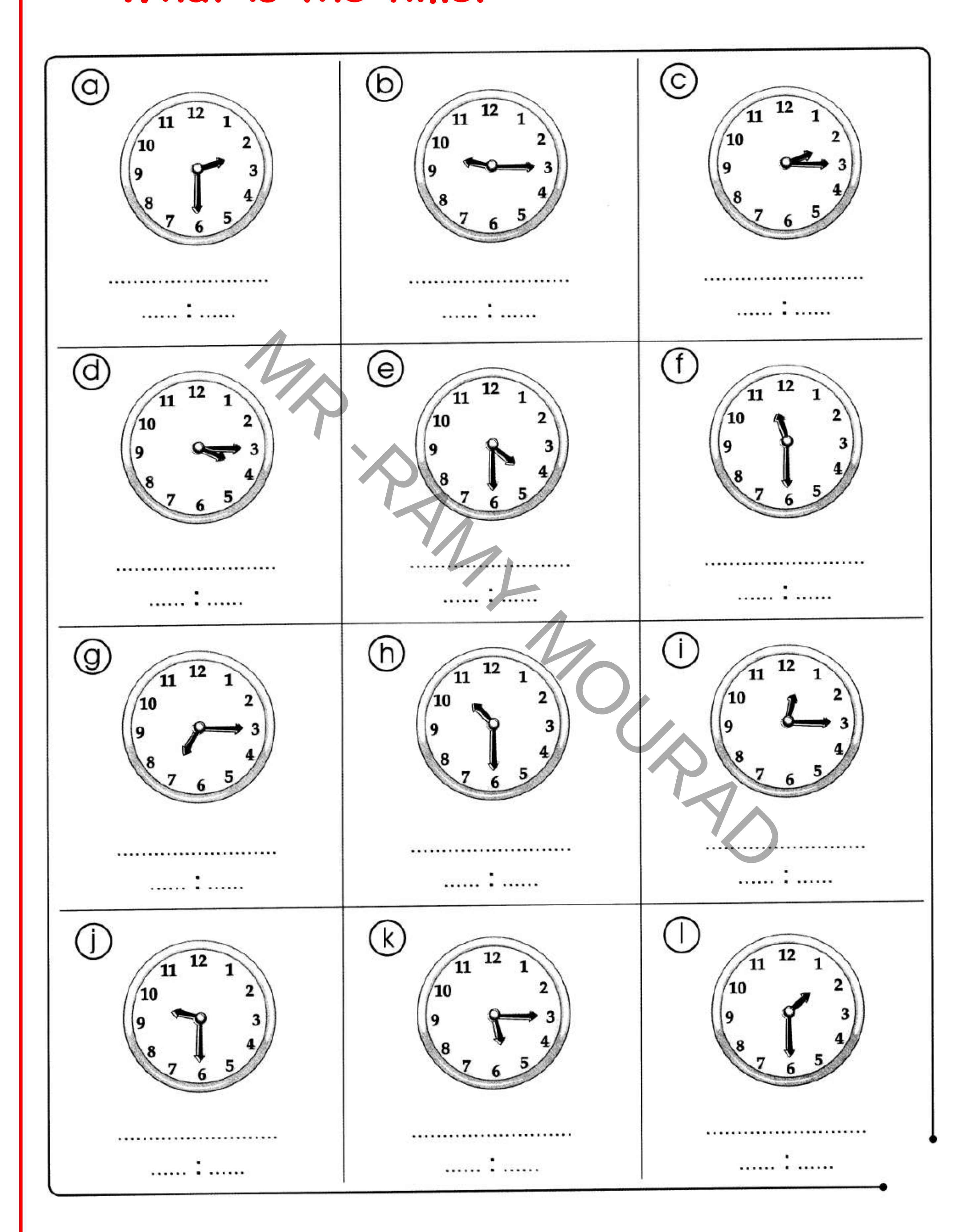
half hour = ...mins

..........is the time fromnoon until midnight

...is the time from midnight until noon { A.M -P.M}

one hour =....mins

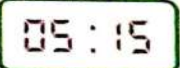
What is the time?







Match.



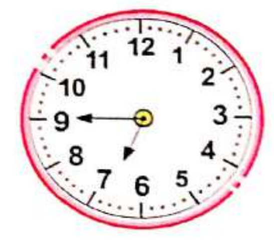
11 : 45

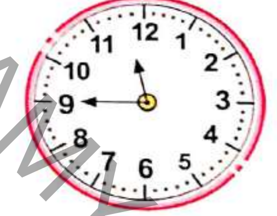
03 : 15

09 : 15

02 : 45

06 : 45

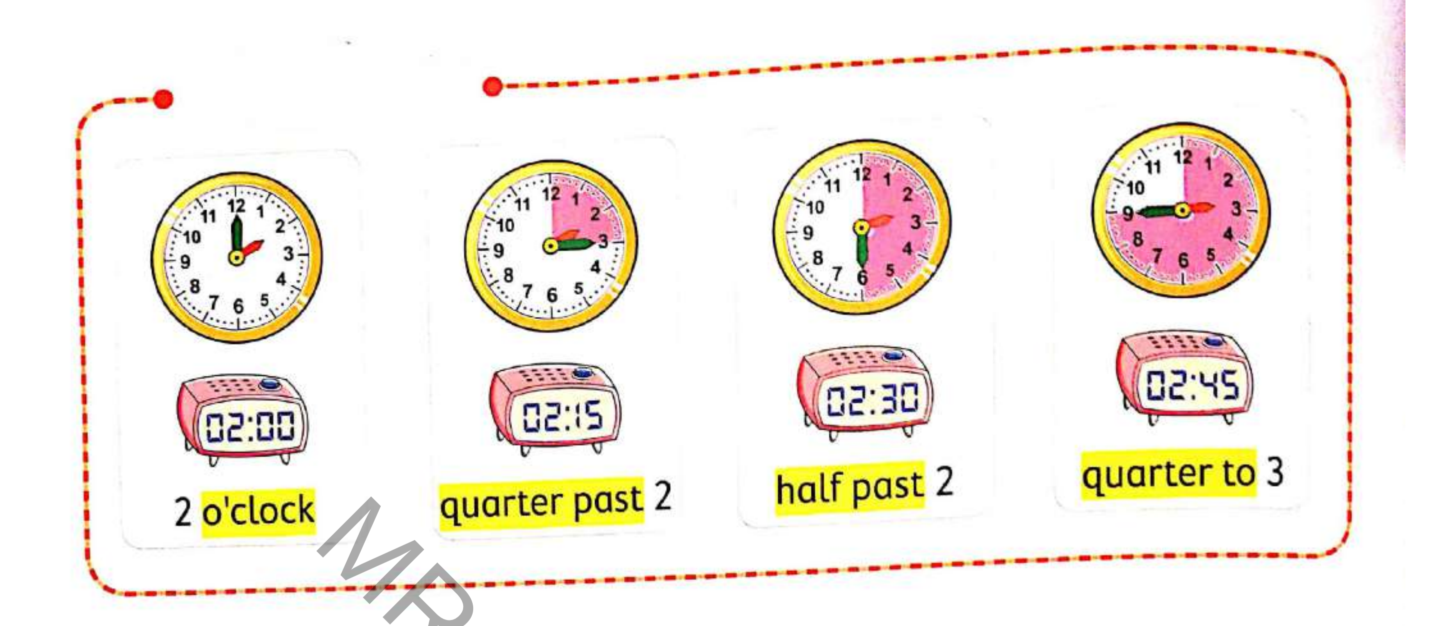




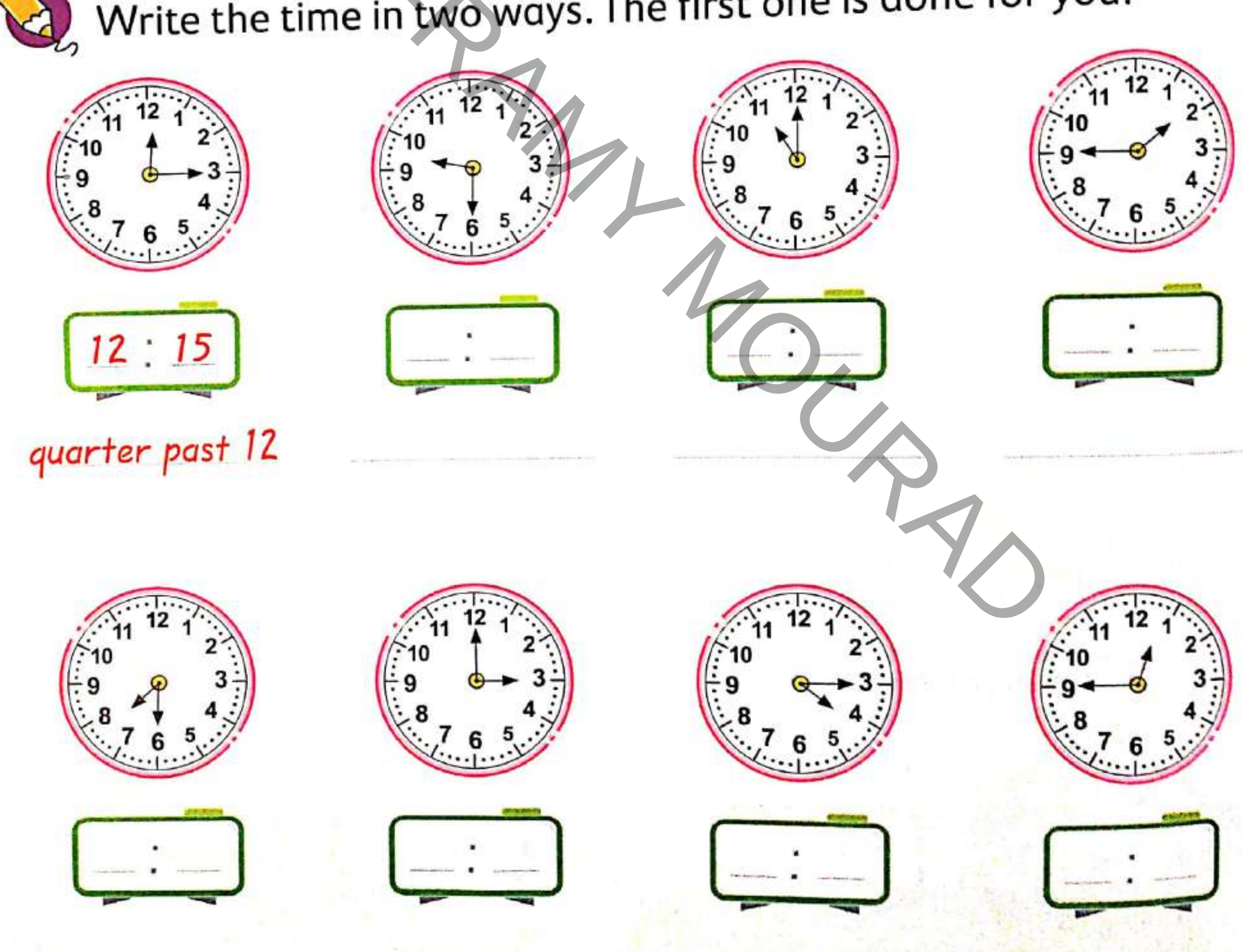




- Quarter to 3
- Quarter past 9
- Quarter to 7
- Quarter past 5
- Quarter to 12
- Quarter after 3



Write the time in two ways. The first one is done for you.





Write the time. Then circle A.M. or P.M.

(1) Play at the park.

A.M. P.M.

(2) Eat breakfast.

A.M. P.M.

2 Show the time on the two clocks.

(1) half past 3

(2) 5 o'clock

(3) quarter to 7

3 Circle the unit you would use to measure the real object.

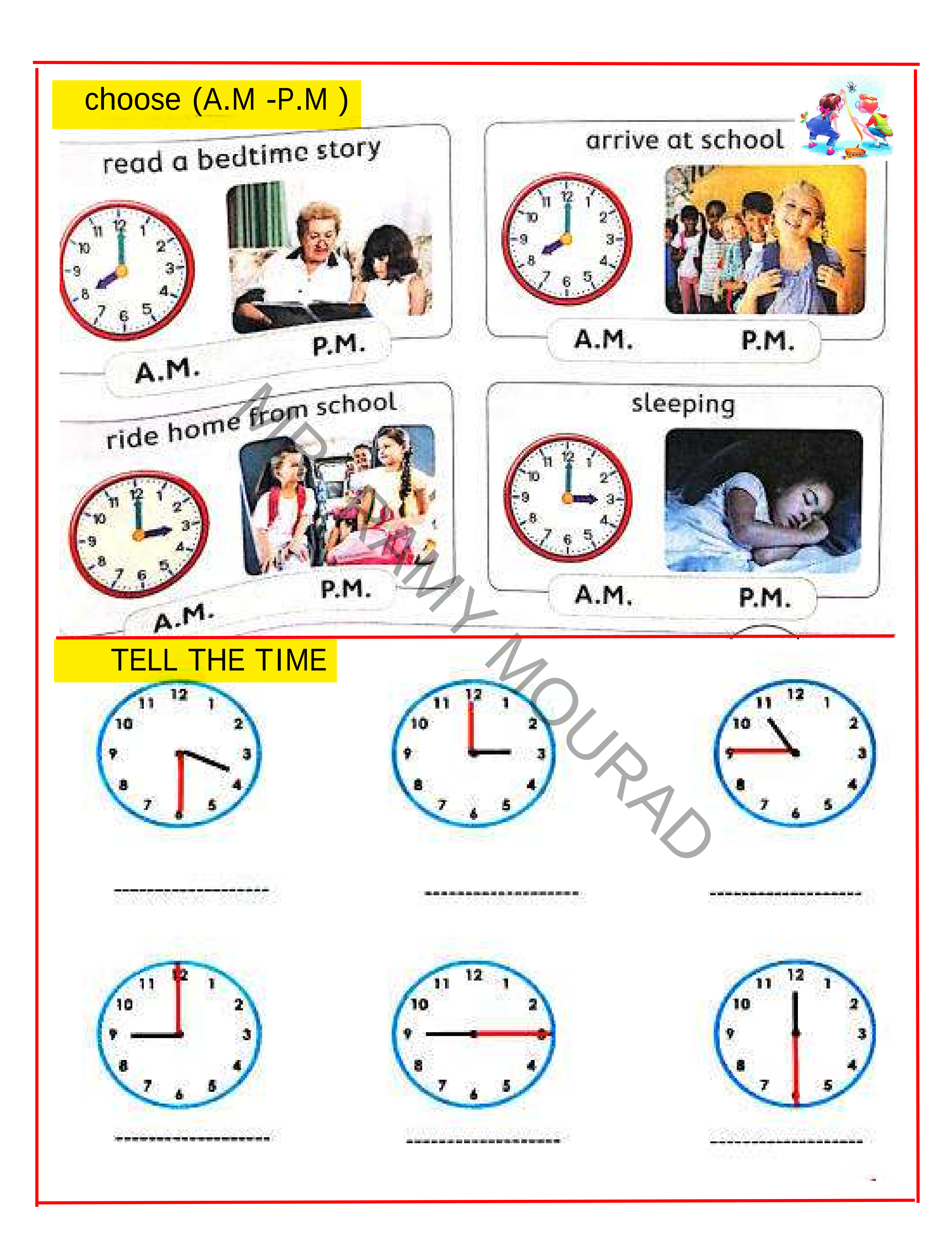
kilograms grams

kilograms grams

4 A family bought 6 kilograms of banana and 4 kilograms of apple.

What is the weight in all ?

choose (A.M -P.M)



TELL THE TIME



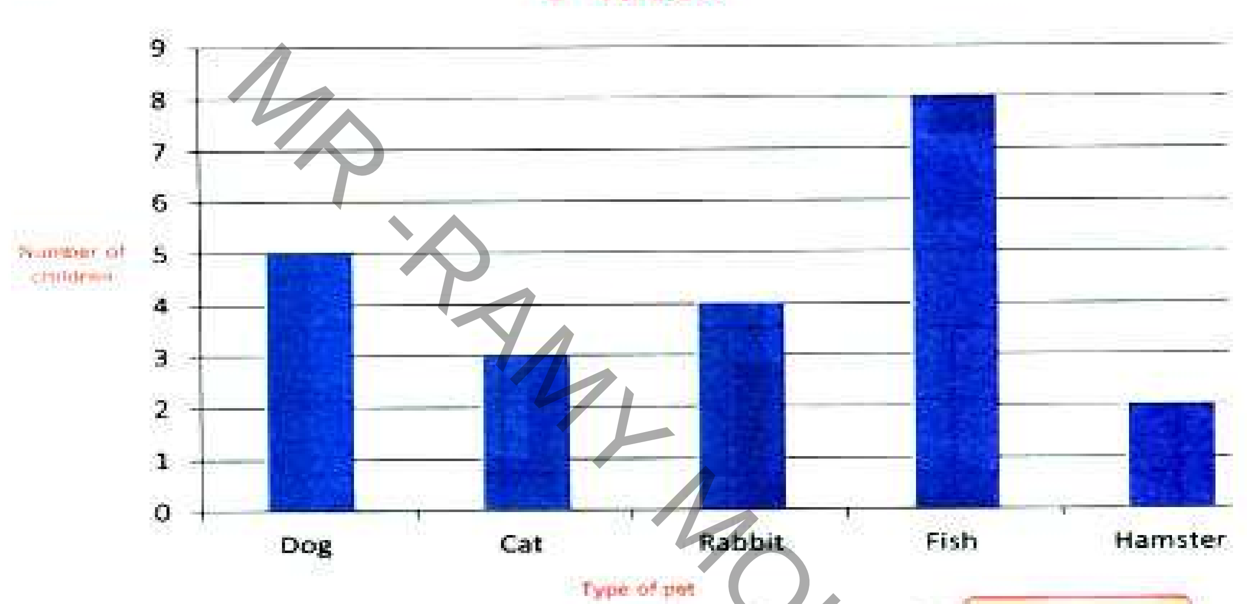
(1)

FINAL REVISION





A bar graph to show pets owned by children in 1 Week



1- What is the most popular pet? ______

2- What is the least popular pet? ______

3- How many children own a cat? ______

4- How many more children own a rabbit than a hamster? ______

5- Which pet is owned by 5 children? ______

6- What is the difference between the number of children who own a dog and the number of children who own a cat? ______

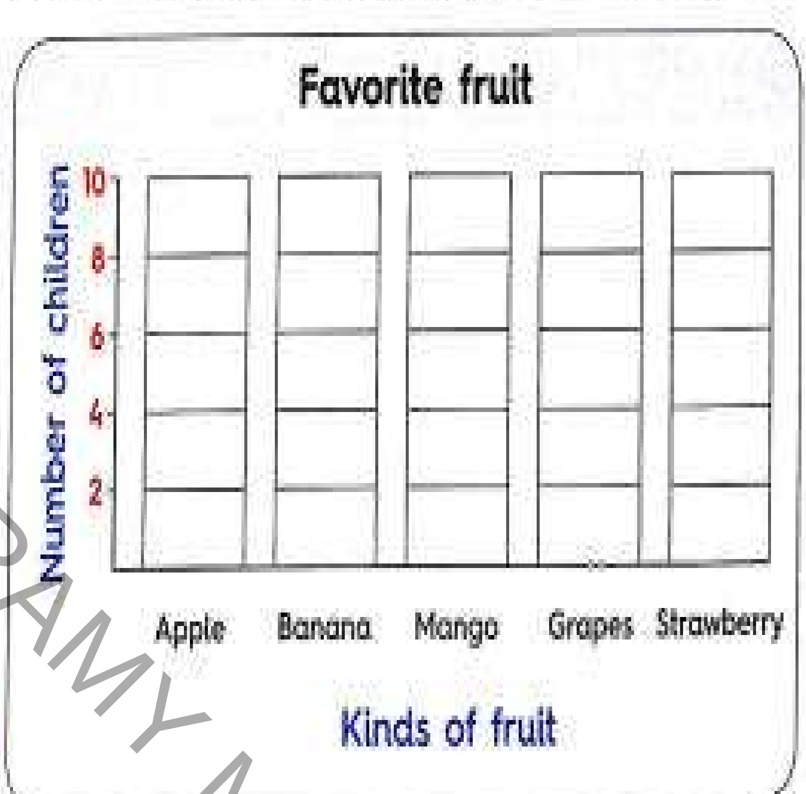




Use the pictograph to make a bar graph. Then answer the questions.

Favorite fruit

Apple	❤ ❤ ❤ (half ❤)
Banana	❤ ❤ ❤ ❤
Mango	❤ (half ❤)
Grapes	❤ ❤ (half ❤)
Strawberry	❤ ❤ ❤ ❤ ❤

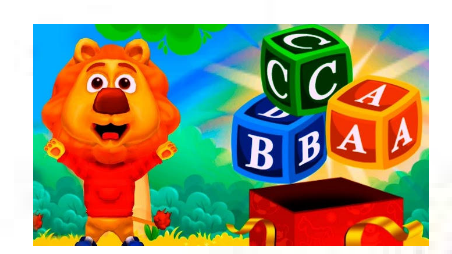




1 Which fruit is favored by the least children ? ____________

2 How many children liked both banana and grapes ? ____________

3- how many more children liked banana than mango?



(3)complete



a-.....=6H +9T +3 O

b-.......=9H +8 ONES


c- the place value of 5 in 352 is ....

d- 362 +....H +......T +....O

e- 3 H =.......T=........ and 435=400 +5 +........

F-.........H=20 T=.........

g- the value of 3 in 436 is ....

h- 6 +....=18



i- 16 -.....=10

j-........-6=12

k- 125+365 =....+125

l- 23+(117 +200)=(23+117)+..........


m- the number six hundred thirty in standard form ...

n- the number three hundreds five in standard form..



o- the number 100 less than 523 ....

p- the number 10 more than 623 ....

q- the number just before 500 is ...

r- the smallest number formed from 3 digits ....

s-the smallest number formed from 3 different digits.

t- the greatest no formed from 3digits ....

v- the greatest no formed from 3 different digits .....

w- the smallest no formed 3, 8 , 0 is.......

x- 5 metres and 13 centimetres =...+....=.......

y- 624 c.m =....m+.....cm

z -13 tens =....





4-choose:

1- six hundred and seven =
{670 - 607 -760}

2- 6 m+75 cm=.....cm
{675 -657 -600 }

3- the number ... between 599 and 601
{ 600 - 500 -400 }

4- 60 T = ...H
{600 - 60 -6 }

5 - ....- 315 =421
{736 -114 -106}

6- 943=....+43
{ 9 - 90 - 900 }

7 - 4 + 0 + 5 =......
{ 405 - 504 -9 }

8- the number 580 is less thsm 680 by..
{500 - 600 -100 }

9- the closest nomber to 189+115...
{200- 300 -400 }

10- 32 is closer to.......
{20 - 30 - 40}

11- quarter hour is ....mins
{10 - 15 - 20 }

12- half hour = ...mins
{15 -30 -60 }

13 - ....is the time fromnoon until midnight
{ A.M -P.M }

14-...is the time from midnight until noon { A.M -P.M}

5-


Estimate the answer in centimeters and choose the correct .


- The length of Maths book ------ (5 cm – 30 cm – 50 cm)

- The length of eraser ------- (5cm – 20 cm – 30 cm)
- The length of your shoes -------- (18 cm – cm – 80 cm)
- The length of your pencil -------- (cm – 30 cm – 12 cm)
- The length of the pyramid -----(60 cm – 140 m. – 15 cm)
- The length of the car -------- (10 cm – 10 m – 50 cm)
- The length of Cairo tower ------ (17cm – 170 m – 50 cm)

. the mass of pencil about (5 gm - 1kg -20 kg)

. the mass of ring about (5gm - 2kg - 5 kg)

. the mass of girl about (20 gm -20 kg - 5 gm)





6-

1- the shape which has 2 short sides and 2 long sides is ....

2- the shape wich has not sides and vertices is ......

3- the shape which has 3 sides is called ....

4- the shape which 5 sides is ....

5-the shape which has 4 sides equal in length (not square) is ...

6-the shape which has 2 parallel sides only ....

7-the base of the cone in the forme of ....

8- the type of the base of square pyramid is ......

9- each face of cube in the form of ....



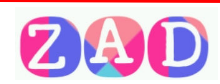
10 -the number of vertices of cube ....

11- the number of the bases of cylinder ....

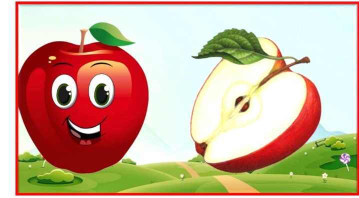
12- the number of vertices of square pyramid is ....

13- the solid which has 5 vertices is ....

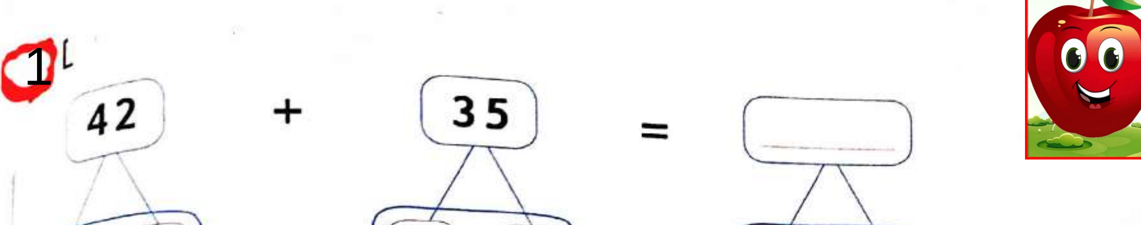
14- the solid which has one vertex is ......



7-decompose each addendto add



1

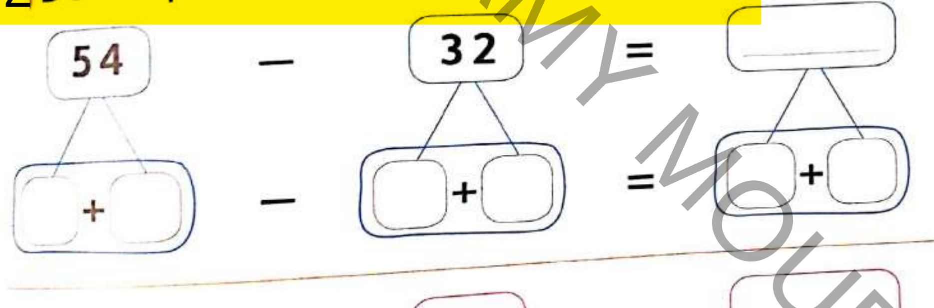


+ | + | = | +

67 + 21 =

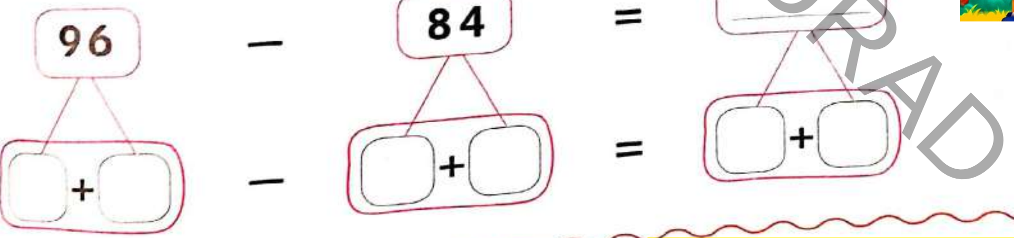
+ | + | + | = | +

2 Decompose each number to subtract.



+ | – | + | = | +





+ | – | + | = | +

3 Count on to add.

52 + 8 = ______

9 + 16 = ______

75 + 7 = ______

4 Count back to subtract.

38 – 6 = ______

55 – 5 = ______

21 – 7 = ______

8- find the result

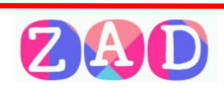


293 + 361	184 + 212	454 + 361	193 + 195	375 + 332	
963 - 217	798 - 345	645 - 218	721 - 414	647 - 373	781 - 669
489 + 340	242 + 281	688 + 150	421 + 333	553 + 396	150 + 438
804 - 113	590 - 360	476 - 263	421 - 111	384 - 170	926 - 717
183 + 854	277 + 216	687 + 159	953 + 174	316 + 805	767 + 393

9-

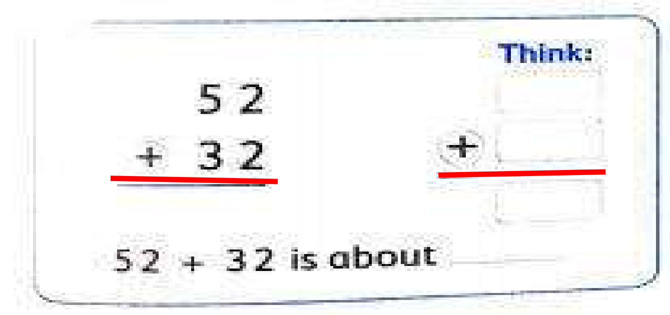
use 120 chart to estimate (find thr closer to add and subtract)

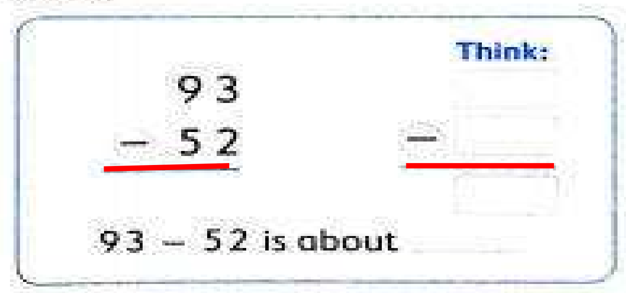
27 + 11	+	62 - 21	....
16 + 40	....	59 - 37	- ....



10-

use place value strategy to estimate.





Think:

11
+ 63

+

11 + 63 is about

Think:

36
− 14

−

36 − 14 is about

11-

Arrange the following numbers:

514 , 473 , 540 and 437

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....

698 , 986 , 896 and 689

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....

987 , 978 , 897 and 798

Ascending order : .... , ... , ... and ....

Descending order : .... , ... , ... and ....



Complete using (<), (>) or (=):

1- the number of sies of square ◯ the number of sides of hixagon

2-the number of edges of cube ◯ the number of faces of cuboid

3- 2 metre ◯ 15 centimetres

4-235 +351 ◯ six hundreds

5- 550 ◯ five hundred fifty

6- 7+700 ◯ 70+7

7- 369 -245 ◯ one hundred thirty four

8- 5 H ◯ 50 TENS

9- 1+4+0 ◯ 140

10- 400+40+4 ◯ 400 +44

word problems



1) Fady bought a book for 350 piastres and a pen for 175 piastres.
How much money did he pay ?
He paid = ………… ………… = …………… ………………………

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2) Hoda bought a ball for 68 pounds and a shirt for 75 pounds.
How much money did she pay ?
She paid = ………… ………… = …………… ………………………

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3) Fady bought a book for 380 piastres and a pen for 225 piastres.
How much money did he pay ?
He paid = ………… ………… = …………… ………………………

---

4) Sayed has 120 pounds.He bought a sandwich for 26 pounds .
How much money left with him ?
The remainder = ………… - ………… = …………… ………………………

---

5) Mona has 460 pounds .She bought a book for 117 pounds .
How much money left with her ?
The remainder = ………… ………… = …………… ………………………

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6) Mohamed has 300 pounds.He bought a T-shirt for 125 pounds
How much money left with him ?
The remainder = ………… - ………… = …………… ………………………

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7) Sara is reading a book that has 236 pages. She has finished reading 177 pages. How many pages are left ?
The remaining pages = ………… ………… = …………… ………………………

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8) Hoda bought a ball for 68 pounds and a shirt for 75 pounds.
How much money did she pay ?
She paid = ………… ………… = …………… ………………………



9) The school will takes the pupils on a trip. 165 pupils paid to go. How many pupils are not going if there are 217 pupils in the school ?

The number of pupils not going on the trip

= ………… ………… = …………… ………………………

10) Ayman has 875 piastres. He bought groceries for 790 piastres. How many piastres left with him ?

The remaining with him = ………… ………… = ………… ………………………

11) Hady bought a suit for 118 pounds and other clothes for 186 pounds from a shop.

How much is the amount he spent at the shope?

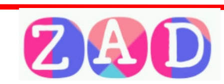
The amount Hady spent = ………… ………… = …………… …………………

12) Nabil bought books for 68 pounds and stationery for 44 pounds. If he had 150 pounds , how much remained with him ?

Buying price = ………… ………… = …………… ………………………

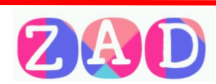
The rest = ………… ………… = …………… ………………………





What is the time?

(a) .... :	(b) .... :	(c) .... : ......
(d) .... :	(e) .... :	(f) .... : ......
(g) .... :	(h) .... :	(i) .... : ......
(j) .... :	(k) .... :	(l) .... : ......



choose (A.M -P.M)







A.M.







A.M. P.M.

ride home from school

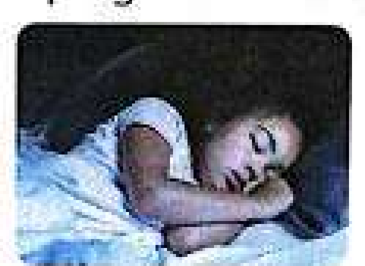




A.M. P.M.









P.M.

Make ten to add:

8 + 6
8 + 2+ ...4
10 + ...4...
.....14....

9+ 4
9+ 1+ ....
10 + ...
....

7 + 5
7 + 3+ ...
10 + ...
....

6+ 5
6+ ......+ ....
10 + ...
....



use the doubles strategy to add



6 +7= 6 +6 +1 =12 +1 =13

7 + 8= 7 +…+….=14 +..=….

9 + 10 =……+……+…. =…..+…..=….

5 +6 =………+…….+…..=…..+…..=…..

8 + 9=………+…….+…..=…..+…..=….

complete in the same pattern

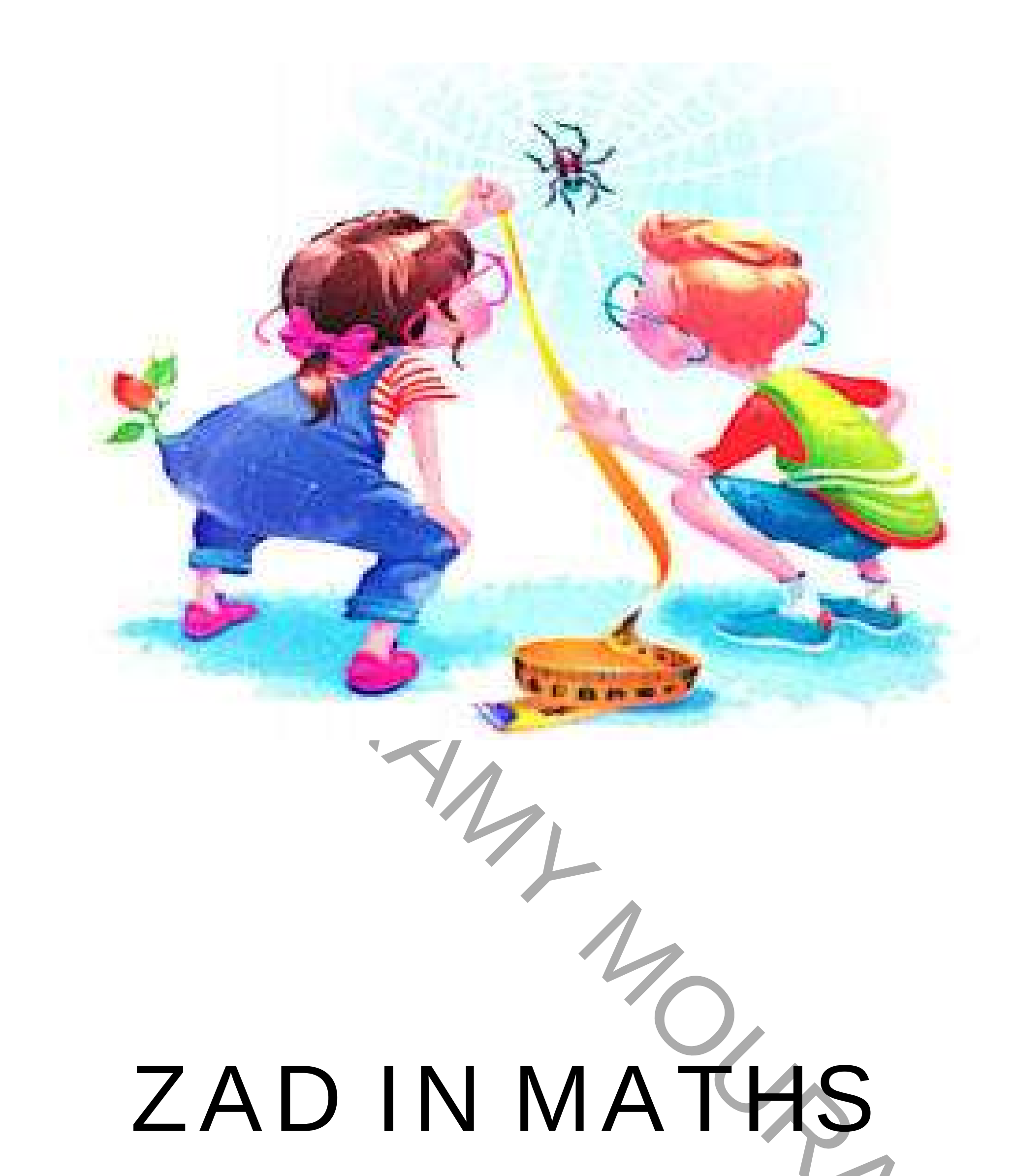
1-125,135 ,145....,....,...

2- 100,150,200,.....,.....,.....

3- 215 ,225,235,...,...,.......

4- 100,300,500,.........,......

5-800,750,700,650,........,......



ZAD IN MATHS

YOUR WAY TO SUCCESS AND AHIGH SCORE